

**THE IMMIGRATION OF LEPIDOPTERA TO THE BRITISH ISLES IN 1996**BERNARD SKINNER<sup>1</sup> AND MARK PARSONS<sup>2</sup><sup>1</sup>5 Rawlins Close, South Croydon, Surrey CR2 8JS.<sup>2</sup>Butterfly Conservation, UK Conservation Office, Box 444, Wareham, Dorset BH20 5YA.

THE MARKED INCREASE of immigrant species noted in the previous year continued in 1996 with most of the regular visitors such as Red Admiral *Vanessa atalanta* (Linnaeus), Silver Y *Autographa gamma* (Linnaeus), *Udea ferrugalis* (Hübner) and *Nomophila noctuella* ([Denis & Schiffermüller]) being especially abundant. However, the most prolific species was the Painted Lady *Vanessa cardui* (Linnaeus) with record numbers being reported throughout the British Isles. The first influx of primary immigrants appeared in early June and it is believed followed by other sporadic invasions until the late summer which no doubt mingled with home bred stock.

Less common migrant species including the Vestal *Rhometra sacraria* (Linnaeus), the Gem *Orthonoma obstipata* (Fabricius), Small Mottled Willow *Spodoptera exigua* (Hübner) and Scarce Bordered Straw *Heliocoverpa armigera* (Hübner), were all reported in above average numbers.

Of the rarer species, fourteen Tree-lichen Beauty *Cryphia algae* (Fabricius) were recorded along the south coast of England with one exception from Hertfordshire. The fourth and fifth British examples of the Passenger *Dysgonia algira* (Linnaeus) were captured in Kent and Dorset respectively; a pair of Lydd Beauty *Peribatodes ilicaria* (Geyer), only previously recorded twice before, were captured on the Isle of Wight and the example of the pyrale *Etiella zinckenella* (Treitschke) reported from St Agnes, Isles of Scilly, represents the fourth British record.

Four species deserve special mention for two of these, the Pale-shouldered Brocade *Chloantha hyperici* ([Denis & Schiffermüller]) from Kent and the pyrale *Duponchelia fovealis* Zeller from Norfolk were new to the British list. The third, a well-travelled looking male Pine Lappet *Dendrolimas pini* (Linnaeus) from the Isle of Wight in August, was the first British example for almost two hundred years and finally the male example of the Marsh Dagger *Acrionicta strigosa* ([Denis & Schiffermüller]) reported from Rye Harbour, East Sussex, in July may well have been the first immigrant example of a species which was formerly resident in England, but last noted in Cambridgeshire in 1933.

The downside of 1996 was perhaps the deterioration of the weather from early September with the result that this month and October, traditionally considered to be full of promise for immigrants, yielded very little of note; exceptions being the Scarce Arches *Luperina zollikoferi* (Freyer) from West Sussex in early September; the seventeenth British record and the first for almost thirty years and the fourth example, in recent times, of the Red-headed Chestnut *Conistra erythrocephala* ([Denis & Schiffermüller]) recorded in late October, also from the Littlehampton district.

In the hope of aiding the compilation of the immigrant reports for future years and enabling a quicker publication it is requested that records should be stated clearly

with as full details as possible and ideally the Watsonian vice-county should be given. If it is not possible to give the vice-county, a six figure grid-reference would aid the placing of the record within a vice-county at the compilation stage. The dates given for the records should be the day of the sighting, or if from a light trap it should be the date of the evening that the trap was operated. If the date given with the records is for the following morning, this should be stated clearly so that the records could be suitably amended to ensure a consistent approach.

The species listed in the annexes are laid out following Bradley & Fletcher (1979) with additions interpolated at the appropriate position. The nomenclature has been updated utilising Karsholt & Razowski (1996). Several records were supplied by more than one contributor and it is possible that some duplication of records has occurred, although every effort was made to eliminate this. Little attempt has been made to interpret locality data and it is possible that the same site is occasionally treated by different names. Records placed in square brackets either require confirmation, are known to be releases or, for example the Cypress Carpet *Thera cypressata* (Geyer), are of individuals that are considered to be resident but are included for interest. The abbreviations listed below are used in Annex 1.

#### Abbreviations

E	Exotic introduction/escape
I	Primary immigrant
In	Introduction
R	Resident
R(i)	Recent resident/Invader
R(t)	Temporary resident
V	Vagrant

### ANNEXE 1: RECORDS OF "SCARCER" SPECIES

#### YPONOMEUTIDAE

##### *Yponomeuta rorella* (Hübner) [I?/V?]

DORSET (9): Arne, 22.7 (PD); Higher Hyde, 7.8 (PHS per PD); Morden Bog, 26.7 - 11 (PD); Portland Bird Observatory, 22.7 to 30.7 - 13 (including 26.7 - 6) (MC per PD); Trigon, 21.7 - 2; 5.8 - 3 (PD); Weymouth, 22.7 - 2 (PHS per PD); CHANNEL ISLANDS (113): St. Martin's, 7/8 - 1 (Austin 1997).

#### ETHMIIDAE

##### *Ethmia quadrillella* (Goeze) (=funerella (Fabricius)) [I?]

EAST SUSSEX (14): Holywell, 13.8 (MSP & CRP).

##### *Ethmia bipunctella* (Fabricius) [I?]

ISLE OF WIGHT (10): Freshwater, 21.8 (Knill-Jones 1998); EAST NORFOLK (27): Wheatacre, 19.8 (RH per Hipperson (1996)).

#### TORTRICIDAE

##### *Epiblema grandaevana* (Lienig & Zeller) [I?]

SOUTH-EAST YORKSHIRE (61): Spurn, 7.6 (BS).

***Cydia amplana* (Hübner) [I/R(t)?]**

SOUTH DEVON (3): Abbotskerswell, 17.8 (Davey 1997); Beer, 17.8 - 1+; 18.8 (BH); Plympton, 18.8 - 1 male & 1 female; 19.8; 20.8 (RJH); Teignmouth, 7.8 (RMC per Agassiz *et al* (1998)); DORSET (9): Morden, 8.8 (PD); Portland Bird Observatory, 5.8 - 5; 7.8 - 4; 8.8; 18.8 - 3; 19.8 - 2 (MC per PD); Worth Matravers, 18.8 - 2 (MT); CHANNEL ISLANDS (113): Guernsey, L'Ancrese, 18.8 - 2 (Austin 1997); Guernsey, St. John, 19.8 (Austin 1997).  
Summary: (3): 8+; (9): 18; (113): 3.

**PYRALIDAE*****Euchromius ocella* (Haworth) [I]**

WEST CORNWALL (1): Church Cove, The Lizard, 24.10 (PS per MT<sup>3</sup>); SOUTH DEVON (3): Plympton, 18.8 (RJH); SOUTH HAMPSHIRE (11): Swanmoor, 25.11 - 1 dead (B. Elliot per BFS); EAST KENT (15): Greatstone, 10.8 (BB per SPC); [SHETLAND ISLANDS (112): Eswick, 17.9 (Agassiz *et al* (1998)), reported in error, refers to 1995 record].

***Pediasia aridella* (Thunberg) [I?/V?]**

SHETLAND ISLANDS (112): Eswick 11.8 (TDR per Pennington (1997)).

***Platytes alpinella* (Hübner) [I?]**

DORSET (9): Portland Bird Observatory, 22.7; 19.8 (MC); ANGUS (90): Lunan Bay, 7.8 - 4 (Goater 1997); SHETLAND ISLANDS (112): Eswick, 11.8 (TDR per Pennington (1997)).

***Evergestis extimalis* (Scopoli) [I?/V?]**

Note: Records outside Thames Estuary and Breckland only.

WEST CORNWALL (1): Church Cove, The Lizard, 29.9 (MT<sup>3</sup>); St. Agnes, Isles of Scilly, 17.6 - 3; 27.7; 12.8; 17.8 (JH & MH); SOUTH DEVON (3): Beer, 30.8 (BH); Branscombe, 13.6 (PB); West Hill, Ottery St Mary, 18.9 (PB); DORSET (9): Portland Bird Observatory, 16.8 (MC); Worth Matravers, 19.8 (MT); ISLE OF WIGHT (10): Freshwater, 16.8 (SAKJ); SOUTH HAMPSHIRE (11): Beaulieu, 14.8 (BIJ per BG); WEST SUSSEX (13): Paghham Harbour, 5.8 (BFS & MSP); EAST KENT (15): Densole, 9.8 (TR); Herne Bay, 2.9 (BM); EAST NORFOLK (27): Rockland St. Mary, 7.8 (CR per Hipperson (1996)); SOUTH-EAST YORKSHIRE (61): Spurn, 11.8; 21.8 - 2 (BS); CHANNEL ISLANDS (113): Guernsey, L'Ancrese, 27.7 (Austin 1997).

Summary: (1): 7; (3): 3; (9): 2; (10): 1; (11): 1; (13): 1; (15): 2; (27): 1; (61): 3; (113): 1.

***Evergestis limbata* (Linnaeus) [I]**

WEST SUSSEX (13): Walberton, 23.7 (JTR per CRP).

***Loxostege sticticalis* (Linnaeus) [I]**

WEST CORNWALL (1): St Agnes, 18.8; 20.8 (JH & MH); The Lizard, 18.8 (DB, AG & RCK); DORSET (9): Gaunt's Common, 18.8 (PD); Worth Matravers, 19.8 (MT); SOUTH HAMPSHIRE (11): Beaulieu, 14.8 (BIJ per BG); Lymington, 17.8 (Davey 1997); WEST SUSSEX (13): Walberton, 23.8 (JTR per CRP); EAST SUSSEX (14): Holywell, 21.8 (CRP & MSP); Icklesham, 14.8 (IH per CRP); Peacehaven, 16.8; 29.8 (CRP); Rye Harbour, 20.8 (Davey 1997); EAST KENT (15): Densole, 27.8 (TR); Dungeness, 20.8 (DW per SPC); Dymchurch, 7.6 (JO per SPC); Greatstone, 23.8 (BB per SPC); New Romney, 13.8; 17.8 (KR per SPC); WEST KENT (16): Gravesend, 7.8 (Agassiz 1998); SURREY (17): Betchworth, 9.8; 18.8 (CH); Centenary Fields, Lingfield, 26.7 - 1 male (JHC); Lingfield, 24.8 - 1 female (JHC); NORTH ESSEX (19): St Osyth, 17.7 (RWA per BG<sup>2</sup>); CAMBRIDGESHIRE (29): Mepal, 15.8 (RP); EAST NORFOLK (27): Barnham Broom, 23.8 (JG per Hipperson (1996)); WEST NORFOLK (28): Barney Wood nr. Thursford, undated (MT<sup>3</sup>); Eccles, 17.8 (NB per Hipperson (1996)); NORTH LINCOLNSHIRE (54): Gibraltar Point, 14.8 (as 15.8 (Davey 1997)) (KMSW per RJ); Roughton, 10.8 (JJ per RJ); Scotterthorpe, 21.8 (RJ & W.A. Johnson); SOUTH-EAST YORKSHIRE (61): Spurn, 27.8 (BS); SOUTH WEST YORKSHIRE (63): West Melton, Rotherham, 6.8 (H.E. Beaumont per Agassiz *et al* (1998)); ISLE OF MAN (71): Callan Dhoon Maughold, 24.7 (LK per GDC);

DUMFRIESSHIRE (72): Connansknowe, Kirkton, 15.8; 20.8 (RM); MORAYSHIRE (95): Findhorn, 13.8 - 1 female; 15.8 - 6 (JHC); Tulloch, Rafford, 14.8 - 1 female (JHC); ORKNEY ISLANDS (111): Craigiefield, 16.8 (per SVG); North Manse, North Ronaldsay, 19.8 (N. Riddiford & MG per SVG); North Ronaldsay, Lighthouse, 13.8 (MG per SVG); Quoystern, 17.8 (SVG); Smyril Stenness, 17.8 (ERM per SVG); SHETLAND ISLANDS (112): Baltasound, 11.8 - 2; 14.8 (Pennington 1997); Eswick, 13.8 - 3; 14.8; 21.8 (TDR per Pennington (1997)); Fair Isle Observatory, 11.8 (M. Newell per Pennington (1997)); Foula, 13.8 (F. Ratter per Pennington (1997)); 25.8 (MGP); Ocrquooy, 14.8 (G. Petrie per Pennington (1997)); Veensgarth, 13.8 - 2; 22.8 (P. Sclater per Pennington (1997)); Voehead, Bressay, 22.8 (J. Gammack per Pennington (1997)) (as 21.8 per MGP).

Summary: (1): 3; (9): 2; (11): 2; (13): 1; (14): 5; (15): 6; (16): 1; (17): 4; (29): 1; (27): 1; (28): 2; (54): 3; (61): 1; (63): 1; (71): 1; (72): 2; (95): 8; (111): 6; (112): 16.

***Sitochroa palealis* (Denis & Schiffermüller) [I?/R?/R(t)]**

WEST CORNWALL (1): St. Agnes, Isles of Scilly, 2.8; 7.8 (JH & MH); SOUTH DEVON (3): Starcross, 5.8 (AHD); NORTH SOMERSET (6): Folly Farm, 9.8 (D. Watts per Barnett, Edmondson & Evans (1996d)); Oldbury Power Station, 8 (J. Martin per Barnett, Edmondson & Evans (1996d)); WILTSHIRE: Berril Valley, 3.7 - 2; 9.8 - 5 (EGS & MHS); Ladywell, 10.8 - 2 (EGS & MHS); Zealand Cross, 3.8 - 2 (EGS & MHS); NORTH WILTSHIRE (7): Chittoe, 20.7 (EGS & MHS); SOUTH WILTSHIRE (8): Imber Village, 5.8 - 6 (EGS & MHS); Shrewton Valley, 19.6 - 2 (EGS & MHS); Steeple Ashton, 8.7 - 2; 19.8 (EGS & MHS); Swindon, 14.8 (D. Brotheridge per Agassiz *et al* (1998)); West Down, 17.8 - 4 (EGS & MHS); DORSET (9): Portland Bird Observatory, 1.8 to 19.8 - 5 (MC); SOUTH HAMPSHIRE (11): Hamble Common, 4.8 - 1 flying in off sea by day (AHD); Hillhead, 1.8 (RWP); WEST SUSSEX (13): Pagham Harbour, 5.8 - 2 (BFS & MSP); EAST KENT (15): Densole, 28.8 (TR); Dungeness, 27.7; 1.8 (DW per SPC); 5.8 (JB per SPC); 2.8; 12.8 (KR per SPC); 14.8 (SPC); Dymchurch, 10.8 (JO per SPC); Littlestone, 13.8 (KR per SPC); Lydd-on-Sea, 10.8 (SPC); New Romney, 9.8 (KR per SPC); SURREY (17): South Croydon, 27.7 (GAC); SOUTH ESSEX (18): Danbury, 13.8 (G.A. Pyman per BG<sup>2</sup>); NORTH ESSEX (19): Beaumont-cum-Moze, undated (JBF per BG<sup>2</sup>); Dovercourt, 7 (CG per BG<sup>2</sup>); MIDDLESEX (21): Parliament Hill Fields, Hampstead, 3.8 (R.A. Softly per Agassiz *et al* (1998)); BERKSHIRE (22): near Aldworth, Berkshire Downs, 17.8 (B.R. Baker & M. Storey per Agassiz *et al* (1998)); Long Wittenham, 7 - 6 ("certainly resident") (MT); OXFORDSHIRE (23): Yarnton, 8.8 to 18.8 - 3 (MT); NOTTINGHAMSHIRE (56): Mission Training Range, 22.7 (S. Wright per Agassiz *et al* (1998)); CHANNEL ISLANDS (113): Guernsey, Trinity Cottages, 28.7 (JH<sup>1</sup> per Austin (1997)).

Summary: (1): 2; (3): 1; (6): 2; Wiltshire: 11; (7): 1; (8): 16; (9): 5; (11): 2; (13): 2; (15): 11; (17): 1; (18): 1; (19): 2; (21): 1; (22): 7; (23): 3; (56): 1; (113): 1.

***Ostrinia nubilalis* (Hübner) [I?/R?]**

WEST CORNWALL (1): St. Agnes, Isles of Scilly, 20.7 (JH & MH); The Lizard, 18.8; 19.8 (DB, AG & RCK); SOUTH DEVON (3): Countess Wear, Exeter, 22.7 (PB<sup>2</sup> per RMc); Starcross, 26.6 to 27.6 - 1 (AHD); DORSET (9): Portland Bird Observatory, 21.7 to 22.7 - 4 (MC); ISLE OF WIGHT (10): Binstead, 24.7 (BJW); Freshwater, 26.6; 7.8 (SAKJ); EAST SUSSEX (14): Friston Forest, 27.7 (MSP & CRP); SURREY (17): Raynes Park, 22.7 (MSP); WEST NORFOLK (28): Eccles, 20.7; 26.7; 31.7; 1.8 (NB per Hipperson (1996)).

Summary: (1): 3; (3): 2; (9): 4; (10): 3; (14): 1; (17): 1; (28): 4.

***Psammotis pulveralis* (Hübner) [I]**

EAST KENT (15): Dungeness, 27.7 (DW per SPC); Greatstone, 30.7 (BB per SPC); Lydd, 25.7 (KR per SPC).

***Udea fulvalis* (Hübner) [R(t)?/R(i)?]**

ISLE OF WIGHT (10): Freshwater, 31.7; 2.8; 7.8; 9.8; 13.8 - 2; 20.8 (SAKJ).

***Maruca vitrata* (Fabricius) (=testulalis (Geyer)) [I?/E?]**

WEST KENT (16): Petts Wood, 27.7 (D. O'Keeffe per Agassiz *et al* (1998)).

***Duponchelia fovealis* Zeller [I(?)E]**

EAST NORFOLK (27): Thorpe St Andrew, 10.9 (D. Hipperson per Agassiz *et al* (1998)).]

***Palpita unionalis* (Hübner) [I]**

WEST CORNWALL (1): Church Cove, The Lizard, 19.10; 20.10 (MT<sup>3</sup>); 19.10 (PS per MT<sup>3</sup>); DORSET (9): Durlston, 14.10 (JEC); Gaunt's Common, 22.10 (PD); Portland Bird Observatory, 19.8; 23.10 - 2 (MC); ISLE OF WIGHT (10): Binstead, 19.8 (BJW); Freshwater, 3.11 (SAKJ); SOUTH HAMPSHIRE (11): Brockenhurst, 24.10 (JEC); Southsea, 20.8 (JRL per BG); WEST SUSSEX (13): Littlehampton, 3.11; 11.11 (Mrs R.E. Pratt per CRP); Walberton, 1.11 (JTR per CRP); EAST KENT (15): Dungeness, 2.9 (SPC); Greatstone, 12.8; 19.10; 24.10 (BB per SPC); Herne Bay, 24.10 (BM); Littlestone, 20.10 (KR per SPC); Lydd-on-Sea, 9.8 (SPC); New Romney, 14.10 (KR per SPC); ISLE OF MAN (71): Callan Dhooon Maughold, 9.8 (LK per GDC).  
Summary: (1): 3; (9): 5; (10): 2; (11): 2; (13): 3; (15): 8; (71): 1.

***Conobathra tumidana* ((Denis & Schiffermüller) [I]**

WEST SUSSEX (13): Walberton, 18.8 (JTR per CRP); EAST KENT (15): Dungeness, 9.8 (DW per SPC, see also Clancy (1997)); 19.8 - 2; 20.8; 21.8 - 3 (KR per SPC, see also Clancy (1997)); 17.8; 19.8; 22.8 (SPC, see also Clancy (1997)); Greatstone, 5.8 - 2; 18.8 - 3; 19.8 - 2 (BB per SPC, see also Clancy (1997)); Lydd, 18.8; 19.8 (KR per SPC, see also Clancy (1997)); Lydd-on-Sea, 19.8 (SPC, see also Clancy (1997)); New Romney, 11.8; 12.8; 13.8; 18.8 (KR per SPC, see also Clancy (1997)).

Summary: (13): 1; (15): 24.

***Sciota hostilis* (Stephens) [I?]**

EAST KENT (15): New Romney, 7.6 - 1 female (KR per SPC).

***[Sciota adelphella* (Fischer von Röslerstam) [R?/R(t)?/R(i)?]**

Note: Does not include Kent records where species is considered resident.

NORTH ESSEX (19): St Osyth, 14.7; 9.8 (RWA per BG<sup>2</sup>).

***Etiella zinckenella* (Treitschke) [I?]**

WEST CORNWALL (1): St. Agnes, Isles of Scilly, 20.7 (JH & MH).

***Dioryctria abietella* ((Denis & Schiffermüller) [I?/V?/R?]**

WEST CORNWALL (1): St. Agnes, Isles of Scilly, 17.6; 15.8 (JH & MH); DORSET (9): Portland Bird Observatory, 16.6 to 19.8 - 8 (MC); WEST SUSSEX (13): Paghham Harbour, 5.8 - c.8 (BFS & MSP); EAST SUSSEX (14): Holywell, 13.8 (CRP & MSP); SURREY (17): Banstead, 8.8 (S.W. Gale per Plant (1997)); Locality not given, 5.8 - 2; 9.8 (PAC); MIDDLESEX (21): West Hampstead, undated (D. Rear per Plant (1997)); CAERNARVONSHIRE (49): Bangor, 6.8 (DL per CWP); Cors Bodgynydd, 13.7 (A.M. Davis per Agassiz *et al* (1998)); SOUTH-EAST YORKSHIRE (61): Spurn, 21.8 (BS); EAST PERTHSHIRE (89): Kindrogan, 3.8 (BG per Agassiz *et al* (1998)); ORKNEY ISLANDS (111): North Ronaldsay, 7.8 - 1 from a car windscreen (MG per SVG); SHETLAND ISLANDS (112): Baltasound, 13.8; 18.8 - 2 (Pennington 1997); Easter Quarff, 9.8 (Pennington 1997); Eswick, 7.8 to 15.8 - 23 (Pennington 1997); Foula, 11.8 (Pennington 1997); Norwick, 12.8 - 6 (Pennington 1997); Upper Toft, Fetlar, 12.8 (Pennington 1997).

Summary: (1): 2; (9): 8; (13): 8; (14): 1; (17): 4; (21); (49): 2; (61): 1; (89): 1; (112): 35.

***Ancylosis oblitella* (Zeller) [I?/R(t)?/R?]**

WEST CORNWALL (1): St. Agnes, Isles of Scilly, 5.9 (JH & MH); SOUTH DEVON (3): Axmouth Saltings, 4.8 (McCormick 1997); Dawlish Warren, 19.7 (McCormick 1997); NORTH SOMERSET (6): Wain's Hill, Clevedon, 31.7 (per Barnett, Edmondson & Evans 1996c); DORSET (9): Gaunt's Common, 22.7 - 2; 19.8 - 2 (PD); Portland Bird Observatory, 18.7 to 6.9 - 10 (MC); SOUTH HAMPSHIRE (11): Southsea, 20.7; 22.7; 7.8; 18.8 - 2 (JRL); 18.8 (IRT per BG); Warsash, 21.7 to 22.7 (PMP per BG); WEST SUSSEX (13): Paghham Harbour, 19.8; 2.9

(JTR per CRP); EAST SUSSEX (14): Friston Forest, 18.8 (MSP & CRP); Holywell, 14.7 (MSP & CRP); Icklesham, 20.8; 25.8 (IH per CRP); Peacehaven, 5.8 - 2; 20.8 (CRP); Rye Harbour, 6.6; 21.7; 22.7 - 2; 23.7 - 3; 24.7; 25.7 - 5; 26.7 - 3; 27.7 - 6; 28.7 - 3; 29.7; 31.7 (DJF per CRP); GLAMORGAN (41): Mansfield, Swansea, 23.7 (per DG); SOUTH-EAST YORKSHIRE (61): Spurn, 29.7 (BS).

Summary: (1): 1; (3): 2; (6): 1; (9): 14; (11): 7; (13): 2; (14): 34; (41): 1; (61): 1.

## PAPILIONIDAE

### [The Swallowtail *Papilio machaon* Linnaeus [In/I?]

Note: Subspecies was not stated for the following records.

Locality not given, undated - 2 "reported" (Bowles 1996b); EAST KENT (16): Dover, near Eastern Docks, 28.8 (D.M. Batchelor per JM); SURREY (17): Wisley RHS Garden, 13.6 (? a possible release) (A. Reid per Jeffcoate & Gerrard (1997)); DERBYSHIRE (57): Dronfield, 16.8 (? possible escape) (Frost 1996a); Woodlinkin, 7.9 (? possible escape) (Frost 1996a).

## PIERIDAE

### Pale Clouded Yellow *Colias hyale* (Linnaeus) [I]

Locality not given, undated - positively identified (Bowles 1996c); [SOUTH HAMPSHIRE (11): Botley Station Meadow 3.8 - recorded as either *hyale* or *helice* form of *croceus* (B. & Mrs S. Clark per Taverner (1997)); Bramshaw Telegraph, 10.8 (T. Bernhard per Taverner (1997)); Fletchwood Meadows, 9.6 - 1 female (Jenkins 1996) (all S. Hampshire records treated as unconfirmed)]; WEST NORFOLK (28): Thompson Common, 15.8 (M. Densley & R.J. Densley); Wells Wood, 18.8 (Davey 1997).

### Berger's Clouded Yellow *Colias alfajariensis* Ribbe [I]

[Locality not given, "reported" (Bowles 1996b) (record treated as unconfirmed)]; DORSET (9): Martin Down, 12.6 - laying on horseshoe vetch *Hippocrepis comosa* (F. Train per Batty (1996b)); [Westleton, Portland, 14.9 (Hill 1997); SOUTH HAMPSHIRE (11): Titchfield Haven, 18.8 (Hill 1997); EAST SUSSEX (14): Rye Harbour, 26.8 (Anon. per CRP), CRP considers this requires confirmation; KENT: Locality not given, undated - 1 larva (not confirmed) (Bowles 1996b).]

### [Berger's Clouded Yellow *Colias alfajariensis* Ribbe or Pale Clouded Yellow *Colias hyale* (Linnaeus) [I]

DORSET (9): Holton Heath, 3.8 (Davey 1997) (as 5.8 in (Hill 1997)); ISLE OF WIGHT (10): Bembridge, 8.8 (AB & LB per Taverner (1997)).]

### Clouded Yellow *Colias croceus* (Fourcroy) [I]

Summary only: The vice-county number is given in brackets, followed by the number of individuals sighted in each vice-county (county or other geographic area). Where no numbers were given for an individual record, it was taken to be 1. Hence, the totals are approximate. This is followed by the monthly representation of the records. In several cases it was impossible to assign a given record to an individual month. As with the totals for the vice-counties, the monthly totals are, therefore, approximate.

Summary: Cornwall: Daubuz's Moor, Truro: 2; (1): 50+; (2): 5+; (3): 35+; (Devon: 240 (Bristow 1997)); (5): 7+; (6): 1; (8): 7+; (9): 120+; (10): 347+; (11): 116+; ((10, 11 & 12): 1,000+ (per Taverner (1997)); Sussex, Brighton: 7; (13): 280+; (14): 384+; (15): 602+; (16): 203+; (17): 70+; Essex: 1; (18): approx. 143; (19): 14; (20): 9+; (21): 8; (22): 32+; (23): 2; (25): 8; (28): 6; (30): 2; (38): 1; (41): 1+; (44): 11; (56): 129+; (57): 96; (58): 4; Lancashire: 1; (61): 20+; (63): 10; S. Yorks: 3; (69): 6; (70): 15; (73): 1; (113): 86; Northern Ireland: 1.

May: 2; June: 195+; July: 80+; August: 1571+; September: 235+; October: 74; November: 11+; December: 1+.

Earliest date: CHESHIRE (58): Locality not given, 31.5 (Bowles 1996b).

Latest dates: SOUTH HAMPSHIRE (11): Hengistbury Head, 4.12 (MJG per Taverner (1997)); EAST SUSSEX (13): Beachy Head, 9.11 (P. Wilson per CRP).

Possibly significant records: WEST CORNWALL (1): The Lizard, 19.8 - 1 at mv light (DB, AG & RCK); SOUTH DEVON (3): Prawle Point, 7.6 - 1 to light (RMC); DORSET (9): Portland, 8 - up to 50 a day (MC); SOUTH HAMPSHIRE (11): Hengistbury Head, a group of 5-10 stayed in the same area through 11 to early 12; 16.11 - a mating pair (MJG per Taverner (1997)).

**[Cleopatra *Gonepteryx cleopatra* (Linnaeus) [I?/In?]**

Locality not given, 11 - probably an accidental introduction (Bowles 1997).]

**[Black-vented White *Aporia crataegi* (Linnaeus) [I]**

SUSSEX: Locality not given, 15.7 (Bowles 1996c.)

**Bath White *Pontia daplidice* (Linnaeus) [I]**

EAST KENT (15): Lade, Lydd-on-Sea, 8.8 (Dr A. Woiod per Woiod (1997)).

**LYCAENIDAE**

**Long-tailed Blue *Lampides boeticus* (Linnaeus) [I]**

WEST CORNWALL (1): St Mary's, 14.10 (Hill 1997); SOMERSET: Locality not given, 15.8 (Bowles 1996c); DORSET (9): Batcombe Down, 7.8 (A. Elliot per PD); MIDDLESEX (21): Gillespie Park, 19.7 (D. Bevan per Plant (1997)).

**NYMPHALIDAE**

**American Painted Lady *Vanessa virginiensis* (Drury) [I]**

LEICESTERSHIRE (55): Rutland Water, 17.8 (Davey 1997).

**Large Tortoiseshell *Nymphalis polychloros* (Linnaeus) [I]**

CHANNEL ISLANDS (113): Guernsey, Jerbourg, 7.6 (Austin 1997).

**Camberwell Beauty *Nymphalis antiopa* (Linnaeus) [I]**

Note: About 50 records of emerged hibernators (surviving from 1995) (Bowles 1996d).

Locality not given, 3 - 2; first week of 4 - 5; 14 sightings by end of 4 (Bowles 1996a); 5 - 7 (Bowles 1996b); WEST CORNWALL (1): Marazion Marsh, 19.8 (per D. Flumm per RDP & PP); NORTH SOMERSET (6): Bath, 16.3 (per JM<sup>2</sup> per MRH); NORTH SOMERSET/WEST GLOUCESTERSHIRE: Locality not given, 10.3 (Bowles 1996a); ISLE OF WIGHT (10): Arretton, 9.9 (D.L.H. Miller per Taverner (1997)); Freshwater Lake, 6.9 (D. Nash per SAKJ); NORTH HAMPSHIRE (12): Fleet, 18.6 (Ms J. Nation per Taverner (1997)); WEST SUSSEX (13): Ardingly, 7.9 (J. Howell per CRP); Chiddingfold Forest (as Kingspark Wood per CRP), 8.4 (Willmott 1997); Horsted Keynes, 17.7 (D. Sadler per CRP); Levin Down, 15.8 (D. Dell per CRP); Worthing, 23.3 (J. Newnham per CRP); EAST SUSSEX (14): Hartfield, 8.5 (RH<sup>2</sup> per CRP); EAST KENT (15): Bekesbourne, Canterbury, 18.7 (S. Elks per JM); Chatham, 6.9 (B. Hooper per JM); Denge Wood, Ashford, 16.4 (L. Clemons per JM); 12.5 (M. & P. Riley per JM); Dungeness, 15.9 (J. Bradley & S. Busuttil per JM); near Gillingham, 12.5 (PK per JM); Lydden Village, 9.6 (AC per JM); north of Snodland, 21.8 (M.P. Sutherland per JM); Pegwell Bay, 8.4 (per R. Goy per JM); Rectory Gardens, Swalecliffe, 27.4 (M. Pamphilon per JM); Wye Crown, 9.6 (AC per JM); WEST KENT (16): Crockham Hill, near Sevenoaks, 14.9 (Ms R. Lewis per GRE); SURREY (17): Addington, Croydon, 15.8 (J.D. Sims per MSP); Ashted Common, 22.7 - a probable sighting (S. Price per Jeffcoate & Gerrard (1997)); Coulsdon Common, 13.5 (R. Hawkins per Jeffcoate & Gerrard (1997)); Croydon, 22.8 (Anon 1996a); Roehampton, 29.8 (Mrs W. Matthews per GRE); SOUTH ESSEX (18): Hadleigh, 5.4 (G. Bailey per JF); Maldon, 14.9 (Hill 1997); Rayleigh, 12.8 (G. Bailey per BG<sup>2</sup>); Thundersley, undated (per MRH); NORTH ESSEX (19): Jaywick, 19.9 (JY per BG<sup>2</sup>); Mistley, 15.9 (ICR per JF); Thorpe-le-Soken, 7.9; 14.9 (R. Wood per JF); 7.9 - 2 (J. Aird per BG<sup>2</sup>); HERTFORDSHIRE (20): Locality not given, 25.8 (Bowles 1996c); Hoddeston, 26.3 (Rev. T. Gladwin per MRH); MIDDLESEX (21): Locality not given, 8.7 (Bowles 1996c); BERKSHIRE (22): Locality not given, undated (Bowles 1996d); EAST SUFFOLK (25): Minsmere, 16 to 21.8 - at least 2 (Anderson & Wilson 1997); NORFOLK:

Locality not given, undated (Bowles 1996d); EAST NORFOLK (27): Catfield Fen, 8 (Hill 1997); Waxham, 7.9 to 9.9 (Hill 1997); Weybourne, 8; early 10 (Hill 1997); WEST NORFOLK (28): Holkham, 15.9 (Hill 1997); CAMBRIDGESHIRE (29): Locality not given, 4 (having overwintered) (Bowles 1996a); second week of 10 (Bowles 1996d); nr. Cambridge, undated - 1 hibernating (per JM<sup>2</sup> per MRH); BEDFORDSHIRE (30): Flitton, Luton, 8 (M. Healy per MRH); Locality not given, 15.8 (Bowles 1996c); WARWICKSHIRE (38): Midsummer Hill, 8 (Hill 1997); STAFFORDSHIRE (39): Cannock Chase, 4.4 (Hill 1997); Compton, Wolverhampton, 14.9 (P.A. Brown); Sandwell Valley, 4.9 (Hill 1997); LEICESTERSHIRE (55): Preston, 4.6 (P. Willson per K.J. Orpe); NOTTINGHAMSHIRE (56): Chilwell, 2.4; 16.8; 17.8 (M. Walker); DERBYSHIRE (57): Ashgate, Chesterfield, 26.4 (Frost 1996a); Bakewell, 6.9 (Frost 1996a); Golden Valley, 19.4 (Frost 1996a); CHESHIRE (58): Macclesfield, 26.4 (Ms G. Pierce per SHH); Locality not given, 5.9 (Hill 1997); SOUTH-WEST YORKSHIRE (63): Treeton Dyke, 29.7 (Frost 1996a); WESTMORLAND (69): Witherslack woods, 5 (I. Waller per DWK); FIFESHIRE (85): Locality not given, 21.9 (Hill 1997); MID PERTHSHIRE (88): Ben Lawers, 5.4 (Bowles 1996a); SHETLAND ISLANDS (112): [Burra, 16.8 - unconfirmed (Pennington 1997)]; Exnaboe, South Mainland, 16.8 (MGP).

Summary: (1): 1; (6): 1; Som./Gloucs.: 1; (10): 2; (12): 1; (13): 5; (14): 1; (15): 11; (16): 1; (17): 5?; (18): 4; (19): 4 (or 5); (20): 2; (21): 1; (22): 1; (25): 2; Norfolk: 1; (27): 4; (28): 1; (29): 3?; (30): 2; (38): 1; (39): 3; (56): 3; (57): 3; (58): 2; (63): 1; (69): 1; (85): 1; (88): 1; (112): 1[+1?].

#### Queen of Spain Fritillary *Argynnis lathonia* (Linnaeus) [I/R(t)?]

DEVON: Locality not given, undated (Bowles 1996c); WILTSHIRE: Locality not given, 22.7 to 16.8 - 2 regularly seen (Bowles 1997); SOUTH WILTSHIRE (8): Middleton Hill, Salisbury, undated (Mrs B. Last per GRE); DORSET (9): Durlston Country Park, 20.7 (Anon 1996a); Locality not given, 21.7 (Bowles 1996c), refers to Durlston Country Park (M. Gibbons per N. Bowles); ESSEX: Locality not given, 29.7 (Bowles 1996c); EAST SUFFOLK (25): Burgh St. Peter, 23.8 (Hill 1997); Carlton Marsh, 18.8 (Hill 1997); Dunwich Heath, 21.8 (Hill 1997); Minsmere, 1.8; "up to 5 could be seen from the middle of the month" (Hill 1997); 16 to 19.8 - 3 (R. Souter per MRH); 7.9 (JEC & JMS); EAST GLOUCESTERSHIRE (33): Shenberrow Hill, 17.8 (Dr S. Foster per Woiwod 1997); CHANNEL ISLANDS (113): Guernsey, Passiflora area, 26.7 (Austin 1997).

Summary: Devon: 1; Wiltshire: 2; (8): 1; (9): 2?; Essex: 1; (25): 8+; (33): 1; (113): 1.

#### The Monarch *Danaus plexippus* (Linnaeus) [I]

CORNWALL: Locality not given, 30.9 (Bowles 1996d); WEST CORNWALL (1): Crowan, 31.9 (Hill 1997); St. Agnes, Isles of Scilly, 1.10 (Hill 1997); St. Levan, 4.10 (Hill 1997); St. Mary's, 6.10 (Hill 1997); DORSET (9): Portland Bird Observatory, 30.9 (MC per PD); 1.10 (MC); Southwell, 2.10, possibly the same individual as that at Portland on 1.10 (MC); SOUTH HAMPSHIRE (11): Lymington, 23.7 (Mrs R. Featherstone per Taverner (1997)); WEST SUSSEX (13): Pagham, 1.9 (S. Knapp per CRP); EAST SUSSEX (14): Seaford, 2.10 (H. Palmer per CRP); KENT: [Locality not given, undated - record requires confirmation (Bowles 1996d)]; EAST KENT (15): New Romney, 3.10 (A. Massey per JM); Whiteness, 1.10 (Hill 1997); HERTFORDSHIRE (20): St Albans, 31.8 (B. Wilfridge per R. Haynes); DERBYSHIRE (57): Matlock, 26.10 (Frost 1996a); WEST CORK (H3): Cape Clear, 10.10 (Hill 1997); CO. CORK: Locality not given, 5.10 - 2 (Hill 1997).

Summary: Cornwall: 1; (1): 4; (9): 3?; (11): 1; (13): 1; (14): 1; Kent: [1]; (15): 2; (20): 1; (57): 1; (H3): 2; Co. Cork: 2.

### LASIOCAMPIDAE

#### Pine-tree Lappet *Dendrolimus pini* (Linnaeus) [I]

ISLE OF WIGHT (10): Freshwater, 12.8 (SAKJ).

### DREPANIDAE

#### Dusky Hook-tip *Drepana curvatula* (Borkhausen) [I]

CHANNEL ISLANDS (113): Guernsey, L'Ancrese, 10.8 (Austin 1997).



## GEOMETRIDAE

**Rest Harrow *Aplasta ononaria* (Fuessly) [I?/V?]**

EAST KENT (15): Littlestone, 22.7 - 1 female (KR per SPC) (probably the same as Dungeness, 21 to 23.7 (Anon 1996a)); CHANNEL ISLANDS (113): Guernsey, Le Chene, 19.8 (TNDP per Austin (1997)).

**Blair's Mocha *Cyclophora puppillaria* (Hübner) [I]**

DORSET (9): Worth Matravers, 18.8 (MT).

**Sub-angled Wave *Scopula nigropunctata* (Hufnagel) [I]**

EAST SUSSEX (14): Icklesham, 7.8 (IH per CRP); EAST KENT (15): Dungeness, 22.7 - 1 male (DW per SPC); Dymchurch, 12.8 (JO per SPC); Lydd, 12.8 - 1 female (KR per SPC).

**Tawny Wave *Scopula rubiginata* (Hufnagel) [I]**

SOUTH DEVON (3): Beer, 18.8 (BH); WEST NORFOLK (28): Stiffkey, 5.8 (TC per Hipperson (1996)) (probably same as 4.8 (Davey 1997)).

**Least Carpet *Idaea rusticata* ([Denis & Schiffermüller]) [I?]**

DORSET (9): West Bexington, 1.8 (RE per PD); SOUTH HAMPSHIRE (11): Brockenhurst, 23.7 (JEC); NORTH HAMPSHIRE (12): Selborne, 15.7; 22.7 (Aston 1997); EAST KENT (15): Dungeness, 21 to 23.7 (Anon 1996a); EAST NORFOLK (27): Wroxham, 28.7 (NB per Hipperson (1996)); Scole, 1.8 (M. Hall per Hipperson (1996)).

**Portland Ribbon Wave *Idaea degeneraria* (Hübner) [I?]**

WEST CORNWALL (1): St. Agnes, Isles of Scilly, 17.8 (JH & MH).

**The Vestal *Rhodometra sacraria* (Linnaeus) [I]**

WEST CORNWALL (1): between Lower Town & Middle Town, St Martin's, Isle of Scilly, 31.5 (RDP & PP); Kennack Sands, 21.10; 23.10 - 2 (JHC); Meadow Dean, Ruan Minor, 23.10 (JHC); Mullion, 18.8 to 26.8 - every night, max.: 19.8 - 3 (PAC); St Agnes, Isles of Scilly, 17.8 - 3; 18.8 - 7; 31.8 - 2; 29.10 (JH & MH); The Lizard, 18.8 - 5; 19.8 - 5 (DB, AG & RCK); 20.8 - 3 (DB); SOUTH DEVON (3): Abbotskerswell, 21.10 (BH); Beer, 27.8 (BH); Dawlish, 2.10; 14.10 - 3; 15.10 - 5; 16.10; 23.10 - 2; 27.10 (AR per RMc); Plympton, 20.8 (RJH); Starcross, 18.8; 1.11 to 2.11 - 1 (AHD); West Hill, Ottery St Mary, 27.7; 13.10 (PB); SOUTH SOMERSET (5): Staplegrove, Taunton, 2.8 (JMc); DORSET (9): Chardstock, 23.10 (AJ per RMc); Gaunt's Common, 13.10 - 11; 22.10 - 2 (PD); Portland Bird Observatory, 13.8 to 23.10 - 4 (MC); Worth Matravers, 19.8 (MT); ISLE OF WIGHT (10): Freshwater, 23.10 (SAKJ); SOUTH HAMPSHIRE (11): Goatspen Plain, near Sway, 27.7 (Waring 1997); Kings Somborne, 13.10 (TJN per BG); Rownhams, 25.10 (K. Godfrey per BG); Sparsholt, 6.8; 14.10 - 3; 31.10 (RAB); Warsash, 17.10 (PMP per BG); NORTH HAMPSHIRE (12): Selborne, 23.7 (AEA per BG); WEST SUSSEX (13): Walberton, 28.7; 24.10 (JTR per CRP); EAST KENT (15): Dungeness, 20.10 (KR per SPC); Greatstone, 24.10; 25.10 (BB per SPC); Littlestone, 23.7 (KR per SPC); Lydd-on-Sea, 22.10 (SPC); OXFORDSHIRE (23): Yarnton, 8.8 (MT); WEST GLOUCESTERSHIRE (34): Stancombe, 23.8 (Ms B. Lumb per Barnett, Edmondson & Evans (1996d)); WARWICKSHIRE (38): Charlecote, 12.10 (AG); 14.10 (DB); Pillerton Priors, 24.10 (C. Ivin per DB); Solihull, 15.10 (A. Pollard per DB); NORTH LINCOLNSHIRE (54): Willingham Forest, undated (CS per RJ); NOTTINGHAMSHIRE (56): Retford, 2.11 (Elliot & Wright 1997); ISLE OF MAN (71): Ballacry Colby, 19.8 (IS & DS per GDC); Castletown, 28.8 (GDC); Dhoon Maughold, 20.8 - 3; 21.8; 6.9 (LK per GDC); DUMFRIESHIRE (72): Connansknowe, Kirkton, 19.8; 20.8 - 5; 21.8 - 2; 22.8 - 3; 23.8 - 2; 25.8 - 2; 2.9; 4.9; 15.10 (RM); Locality not given, undated (Cheshire recorder per RM); CHANNEL ISLANDS (113): Guernsey, L'Ancrese, 25.8 (Austin 1997); Guernsey, La Broderie, 7.9; 8.9; 24.10 (PC per Austin (1997)); Guernsey, Trinity Cottages, 23.7 (JH<sup>3</sup> per Austin (1997)).

Summary: (1): 41; (3): 20; (9): 19; (10): 1; (11): 9; (12): 1; (13): 2; (15): 5; (23): 1; (34): 1; (38): 4; (54): 1; (56): 1; (71): 7; (72): 18; (113): 4.

**The Gem *Orthonoma obstipata* (Fabricius) [I]**

Summary only: The vice-county number is given in brackets, followed by the number of individuals sighted in each vice-county (county). Where no numbers were given for an individual record, it was taken to be 1. Hence, the totals are approximate. This is followed by the monthly representation of the records. In several cases it was impossible to assign a given record to an individual month. As with the totals for the vice-counties, the monthly totals are, therefore, approximate.

Summary: (1): 31; (3): 182+; (5): 3; Som./Gloucs.: 1; (7): 1; (8): 3; (9): 98; (10): 18; (11): 88+; (12): 7+; (13): 29; (14): 14; (15): 59; (16): 2; (17): 17; (18): 11; (19): 3; (22): 1; (24): 3; (25): 1; (27): 1; (28): 1; (32): 1; (33): 5; (34): 1; (38): 12; (40): 1; (41): 11; (44): 3 (?+); (49): 1; (54): 1; (55): 1; (56): 4; (57): 6; (61): 3; (69): 3; (71): 1; (72): c.8; (112): 1.

May: 1; June: 176+; July: 116+; August: 125+; September: 22+; October: 97+; November: 3.

Earliest date: SOUTH WILTSHIRE (8): Steeple Ashton, 7.5 (EGS & MHS).

Latest dates: WARWICKSHIRE (38): Charlecote, 13.11 (AG).

Possibly significant records: SOUTH DEVON (3): Prawle Point, 7.6 - 100's; 20.8 - "common" (RMc).

**[Cypress Carpet *Thera cupressata* (Geyer) [R(i)]**

Note: Channel Islands records not included.

ISLE OF WIGHT (10): Freshwater, 24.10; 30.10; 13.11 (SAKJ.)

**Barberry Carpet *Pareulyte berberata* ((Denis & Schiffermüller) [I?]**

EAST KENT (15): Dungeness, 17.8 - 1 male (DW per SPC); Greatstone, 21.8 - 1 male (BB per SPC).

**[The Channel Islands Pug *Eupithecia ultimaria* Boisduval [R(i)]**

SOUTH HAMPSHIRE (11): Hayling Island, 30.7 - c.50 larvae; 31.7 - larvae (Langmaid 1996); WEST SUSSEX (13): Atherington, 5.8 - c.40 larvae (MSP & BFS); Climping, 5.8 - c.40 larvae (MSP & BFS); Selsey Bill, 5.8 - c.10 larvae (MSP & BFS); West Wittering, 5.8 - c.10 larvae with 1 beat of a tamarisk bush (MSP & BFS).]

Langmaid (1996) gives a summary of the history of the species in Britain.

**Dusky Peacock *Macaria signaria* (Hübner) [I]**

EAST SUSSEX (14): Beckley, 31.7 (DJF per CRP).

**Lunar Thorn *Selenia lunularia* (Hübner) [I?]**

EAST KENT (15): Greatstone, 19.8 (BB per SPC); Littlestone, 10.8 (KR per SPC); Lydd, 21.8 (KR per SPC); New Romney, 9.8 (KR per SPC).

**Lydd Beauty *Peribatodes ilicaria* (Geyer) (= *manuelaria* (Herrich-Schäffer)) [I]**

ISLE OF WIGHT (10): Ninham, 14.8 - 1 male; 18.8 - 1 female (JR).

**Barred Red *Hylaea fasciaria* (Linnaeus) [I?/V?]**

WEST CORNWALL (1): St. Agnes, Isles of Scilly, 24.6 (JH & MH).

**NOTODONTIDAE****Oak Processionary *Thaumetopoea processionea* (Linnaeus) [I]**

DORSET (9): Worth Matravers, 18.8 (MT); CHANNEL ISLANDS (113): Guernsey, Le Chene, 19.8 - 2 (TNDP per Austin (1997)).

**SPHINGIDAE****Convolvulus Hawk-moth *Agrius convolvuli* (Linnaeus) [I]**

WEST CORNWALL (1): Church Cove, The Lizard, 24.10 (MT?); 24.10 (PS per MT?); St. Agnes, Isles of Scilly, 1.8 - 1 larva; 17.8; 18.8 - 7; 24.8; 3.9; 7.9 - 2; 18.9 - 1 by day; The Lizard, 18.8;

19.8 (DB, AG & RCK); SOUTH DEVON (3): West Hill, Ottery St Mary, 18.9 (PB); NORTH SOMERSET/WEST GLOUCESTERSHIRE: Bristol, 27.7 (N. Tucker per Barnett, Edmondson & Evans (1996b)); DORSET (9): Gaunt's Common, 20.9 (PD); Portland Bird Observatory, 13.6; 19.8 to 4.9 - 4; 8 - 1 larva (MC); St Alban's Head, 20.8 (PD); West Bexington, 26.8 - 2; 3.9 - 2; 5.9; 6.9; 10.10 (RE per PD); ISLE OF WIGHT (10): Cranmore, 19.6 (Dr P. Waring per SAKJ); SOUTH HAMPSHIRE (11): Hayling Island, 26.9 (PIVS per BG); Upham, 3.8 - 1 at *Nicotiana* (I. Judd per G.C. Yorke per BG); SUSSEX: Brighton, 11.7 (per Booth Museum of Natural History per CRP); WEST SUSSEX (13): Horsham, undated (R. Edwards per CRP); Walberton, 24.8 (JTR per CRP); Yapton, 5.9 (J. Knight per CRP); EAST SUSSEX (14): Eastbourne, 2.9 (DD & JP per CRP); Holywell, 21.8 - 1 female (MSP & CRP); Rye Harbour, 12.6; 9.7; 3.8 (DJF per CRP); Three Oaks, nr. Hastings, 27.8 (P. Newton per CRP); Uckfield, 15.8 (M. Stenning per CRP); Woodingdean, 15.8 - 1 full-grown larva (AB<sup>2</sup> per CRP); EAST KENT (15): Dungeness, 18.9 (DW per SPC); 1.9 - 2 males (TR); Herne Bay, 17.9 to 3.9 - 17 (including 26.8 - 3; 31.8 - 3); 13.10 (BM); Littlestone, 23.8 (KR per SPC); SOUTH ESSEX (18): Bradwell-on-Sea, 4.10 - 1 female (SD); EAST NORFOLK (27): Salthouse Heath, 10.8 - 2 (TC per Hipperson (1996)); WEST NORFOLK (28): Eccles, 6.9 (NB per Hipperson (1996)); Holkham NNR, 10.8 (MT<sup>2</sup> & TC); NORFOLK: Tuddenhams, 1.8 (A. Bull per Hipperson (1996)) (this may refer to WEST SUFFOLK (26)); EAST GLOUCESTERSHIRE (33): Longney, 3.9 (AS & SS per RG); SOUTH LINCOLNSHIRE (53): Gedney Drove End, 23.8 (H. Matthews per GRE); GLAMORGAN (41): Kenfig NNR, undated (per DG); NORTH LINCOLNSHIRE (54): Anderby Creek, undated (CS per RJ); Dalby, 20.8 (Mrs M.E. Dawson per RJ); Gibraltar Point, 19.8 (KMSW per RJ); Roughton, 6.9 (JJ per RJ); SOUTH-EAST YORKSHIRE (61): Spurn, 15.8; 8.9 (BS); ISLE OF MAN (71): Ballacriy Colby, 14.8 - 2 (IS & DS per GDC); Ballastruan Colby, 5.9 (R. Pressley per GDC); Dhoon Maughold, 7.9 (LK per GDC); Glen Vine, 5.9 (R. Walker per GDC); DUMFRIESHIRE (72): The Yett, Johnstonebridge, 27.8 (per RM); EAST INVERNESS-SHIRE (96): Kingussie, 8 (SCP per SPC); ORKNEY ISLANDS (111): A total of 16 (per SVG) including, Dale, Stronsay, 5.9 - 3 (J.F. Holloway per SVG); Egilsay, undated - 3 (T. Dean per SVG); SHETLAND ISLANDS (112): Baltasound, 12/13.8; 26.8; 28.8; 9.8 (Pennington 1997); Cullivoe, Yell, 26.8 (Pennington 1997); Cunningburgh, 30.8 (Pennington 1997); Eswick, 23.8 to 27.8 - 7 (Pennington 1997); fishing boat off Fetlar, 18.8 (Pennington 1997); Gulberwick, 25.8 (Pennington 1997); Haroldswick, 29.8 (Pennington 1997); Lerwick, 27.8 - 2; 28.8; 29.8; 30.8 (Pennington 1997); Scalloway, 28.8 (Pennington 1997); South Nesting, 12.8 (Pennington 1997); Stove in Standwick, 26.8 (Pennington 1997); Sullom Voe, 22.8 (Pennington 1997); Sumburgh Head, 22.8 (Pennington 1997); Tingwall, 27.8 (Pennington 1997); Uyeasound, Unst, 15.8; 26.8; 28.8 to 3.9 - 2 (Pennington 1997); Voehad, Bressay 26.8 (Pennington 1997); West Burra, 29.8 (Pennington 1997); CHANNEL ISLANDS (113): Guernsey, La Broderie, 19.6; 6.8 (PC per Austin (1997)).  
 Summary: (1): 17 & 1 larva; (3): 1; Som./Gloucs: 1; (9): 14 & 1 larva; (10): 1; Sussex: 1; (13): 3; (14): 7 & 1 larva; (15): 22; (18): 1; Norfolk (or VC26?): 1; (27): 2; (28): 2; (33): 1; (41): 1; (53): 1; (54): 4; (61): 2; (71): 5; (72): 1; (96): 1; (111): 16; (112): 33; (113): 2.

#### Death's-head Hawk-moth *Acherontia atropos* (Linnaeus) [I]

SOUTH DEVON (3): Prawle Point, 9.10 - pupa (AR per RMc); DORSET (9): Swanage, 21.7 (Anon 1996a); SOUTH HAMPSHIRE (11): Brockenhurst, 9.8 (HGHM & JTS per SPC); NORTH HAMPSHIRE (12): Chatis Hill, near Stockbridge, early 10 - larva (moth emerged early 11) (H.G. North per J.H. Tavermer per BG); WEST SUSSEX (13): Findon, mid 8 - 1 larva (per DD per CRP); EAST SUSSEX (14): Barcombe, 4.9 - 1 larva (Mrs Lundin per CRP); Jevington, 8.8 - 2 larvae (P. Hodge per CRP); EAST KENT (15): Littlestone, 21.7 - 1 male (KR per SPC) (probably the same as Dungeness, 21 to 23.7 (Anon 1996a)); WEST KENT (16): Scadbury Park, undated - 1 larva (S. Hillier per BFS, from a newspaper cutting); WARWICKSHIRE (38): Sutton-under-Brailes, 29.9 - 1 larva on potato (Ms M. Perkins per DB); GLAMORGAN (41): Hensol, undated - 6 larvae feeding on aubergines in a greenhouse (per DG); SOUTH LANCASHIRE (59): St. Helen's, 23.7; 26.7; 28.7 (Anon 1996a); ORKNEY ISLANDS (111): Quoys, Rousay, 16.6 (L. Sutton per SVG); CHANNEL ISLANDS (113): Guernsey, L'Ancrese, 13.10 (Austin 1997); WEST CORK (H3): Locality not given, 6 (Ms H. Perry per Dr I.J. Kitching)  
 Summary: (3): 1 pupa; (9): 1; (11): 1; (13): 1 larva; (14): 3 larvae; (15): 1 (or ??); (16): 1 larva; (38): 1 larva; (41): 6 larvae; (59): 3; (111): 1; (113): 1; (H3): 1.

**Pine Hawk-moth *Hyloicus pinastri* (Linnaeus) [I?/V?]**

DORSET (9): Portland Bird Observatory, 25.7; 19.8 (MC); West Bexington, 17.6 (RE per PD); EAST KENT (15): Densole, 6.8 (TR); Orlestone Forest, 12.7 (TR); NORTH ESSEX (19): Dawes Hall N.R., 20.7 (I. Grahame per BG<sup>2</sup>); Little Oakley, 27.7 (M. Henchman per BG<sup>2</sup>); Mistley, 13.7 (ICR per BG<sup>2</sup>); Saffron Walden, 5.7 (AME per BG<sup>2</sup>); SOUTH-EAST YORKSHIRE (61): Allerthorpe, 14.8 (ASE per SPC); Spurn, 8.8 (BS); CHANNEL ISLANDS (113): Guernsey, La Broderie, 31.7 (PC per Austin (1997)).

**Humming-bird Hawk-moth *Macroglossum stellatarum* (Linnaeus) [I/R(t)?/R?]**

Summary only: The vice-county number is given in brackets, followed by the number of individuals sighted in each vice-county (county or other geographic area). Where no numbers were given for an individual record, it was taken to be 1. Hence, the totals are approximate. This is followed by the monthly representation of the records. In several cases it was impossible to assign a given record to an individual month. As with the totals for the vice-counties, the monthly totals are, therefore, approximate.

Summary: Cornwall, Truro: 1; (1): 74+; (2): 2; (3): 43+; (4): 4; (5): 4; (6): 2; (8): 3; (9): 45+; (10): 34+; (11): 4+; (12): 8+; (a total of at least 115 between VCs 10, 11 & 12 (BG)); Sussex: Brighton - 17; (13): 65; (14): 151+; (16): 3; (17): 16; (18): 53 (+19 larvae); (19): 7; (20): 5+; (21): 3; (23): 5; (24): 7; (25): 2; Norfolk: "numerous" (Hipperson 1996); (29): 1; (30): 1; (32): 4; (33): 4; (34): 4; (37): 1; (38): 2; (39): 1; (40): 1; (41): 6; (44): 5; (49): 1 + 1 larva; (53): 4; (54): 15; (55): 2+; (56): 17; (57): 15; Midlands within 30 miles of Derby: 4 (Eames 1998); (58): 2; (61): 1; (63): 1; (69): 1; (70): 3; (81) 2; (72): 1; (112): 3; (113): 64; (H12): 1.

January: 1; March: 2; April: 6; May: 9+; June: 237+; July: 32+ (+ 2+ larvae); August: 175+ (+ 1+ larvae); September: 142+; October: 33+; November: 1.

Earliest dates: WEST CORNWALL (1): St Agnes, Isles of Scilly, 18.1 - 1, an example that was hibernating in a porch took wing on this date (JH & MH); CAERNARVONSHIRE (49): Lleyl Peninsula, 11.3 (D. Emley per CWP); WEST SUSSEX (13): Hove, 1.4 (R.M. Craske per CRP).

Latest dates: Worthing, 27.11 - 1 inside a house (D. Thorn per CRP); WEST SUSSEX (13): Walberton, 23.10 (JTR per CRP).

Possibly significant records: WEST CORNWALL (1): Church Cove, The Lizard, 18.4 - 1 to mv light (MT<sup>2</sup>); St Agnes, Isles of Scilly, 18.8 - 1 to light; noted entering buildings in the last week of 10 (JH & MH); The Lizard, 9.10 - 1 at light (PB); SOUTH DEVON (3): Plympton, 6.9 - 1 at light (RJH); DORSET (9): Portland Bird Observatory, singles recorded at mv light on 10.6; 13.6; 15.9 (MC); EAST SUSSEX (14): Litlington, 19.6 - 6 (L. Rowney per CRP); Peacchaven, 17.6 - 5 (CRP); SOUTH ESSEX (18): Bradwell-on-Sea, 7.7 to 5.8 - larvae found (AJD & SD); DERBYSHIRE (57): Eastwood, undated - 1 seen ovipositing on common cleavers *Galium aparine* (Elliot & Wright 1997); SOUTH-EAST YORKSHIRE (61): Spurn, 11.9 - 1 found at rest under a light (BS); CHANNEL ISLANDS (113): Guernsey, Le Chene, 18.6 - 1 to light (TNDP per Austin (1997)).

**[Spurge Hawk-moth *Hyles euphorbiae* (Linnaeus) [I]**

Locality not given, undated (K. Bailey per E.W. Classey); SOUTH DEVON (3): Dawlish Warren, 11.9 (example not retained) (M. Meehan per RMc); Exeter, 6 (per J. Woodland & Mrs J. Woodland); EAST SUSSEX (14): Seaford, 22.9 - 1 at rest Mr Edmunds per per SC per CRP, considered by CRP to require confirmation.]

**Bedstraw Hawk-moth *Hyles gallii* (Rottemberg) [I]**

NORTH ESSEX (19): Jaywick, 18.7 (JW per BG<sup>2</sup>); Wivenhoe, 20.7 (M. Jackson per BG<sup>2</sup>); EAST SUFFOLK (25): Bromswell near Felixstowe, 18.6 - 3 seen feeding at honeysuckle (per JN per Waring (1996c)); Tunstall Forest, 9.8 - about 20 larvae (N. Sherman per Waring (1996c)); 12.8 - 2 larvae (JN per Waring (1996c)); Walberswick, 23.7 (DB); WEST NORFOLK (28): Holkham, 22.7 (Anon 1996a); Holkham NNR, 21.7 - (MT<sup>2</sup> & TC) (possibly same as previous record); GLAMORGAN (41): Mansfield, Swansea, 16.7 (per DG); NORTH LINCOLNSHIRE (54): Gibraltar Point, 19.8 (KMSW per RJ); SHETLAND ISLANDS (112): Eswick, 11.8 (TDR per Pennington (1997)); Fair Isle, 5.7 (Pennington 1997); Norwich, Unst, 5.8 to 12.8 - 1 (Pennington 1997).

Summary: (19): 2; (25): 4 & c.22 larvae; (28): 1 (or 2); (41): 1; (54): 1; (112): 3.

**Striped Hawk-moth *Hyles livornica* (Esper) [I]**

WEST CORNWALL (1): Bass Point, The Lizard, 14.9 (CH); Church Cove, The Lizard, 22.9 (MT<sup>2</sup>); Mullion, 22.8 (PAC); St Agnes, Isles of Scilly, 5.6; 7.6; 18.8 (JH & MH); The Lizard, 19.8 - 2 (DB, AG & RCK); SOUTH DEVON (3): Countess Wear, Exeter, 6.6; 8.6 (PB<sup>2</sup> per RMc); Prawl Point, 7.6 - 13 (RMc); Teignmouth, 21.8; 19.9 (RMc); West Hill, Ottery St Mary, 2.9; 3.9 - 2 (PB); NORTH DEVON (4): Coryton, Okehampton, 8.6 (Ms J. Hale per RMc); NORTH SOMERSET (6): Leigh Woods, undated - by day (Barnett, Edmondson & Evans 1996a); DORSET (9): Chalbury, 17.6 (S. Amos per PD); Holt Heath, 19.6 (M.M. Brooks); Portland Bird Observatory, 12.6; 18.8 to 21.8 - 3; 15.9 (MC); Swanage, 6.6 - 2 (AG); 7.6 - 8 or 9 (A. Kolaj per SPC); West Bexington, 6.6 - 2; 7.6; 14.6; 6.9; 16.10 (RE per PD); ISLE OF WIGHT (10): Binstead, 14.6 (BJW); Chale, 13.8 - in a conservatory (BJW); SOUTH HAMPSHIRE (11): Warsash, 5 or 6.6 (PMP per BG); WEST SUSSEX (13): Atherington, 9.6 (A.J.L. Kemp per CRP); Bognor Regis, 12.8 (Mr Eaves per Waring (1996c)); EAST SUSSEX (14): Crowborough, undated (MJS per SPC); Peacehaven, 1.9 (CRP); EAST KENT (15): Kingston, Canterbury, 14.6 (K. Elks); Herne Bay, 8.6; 22.8 (BM); Dungeness, 7.6 (BFS); 10.6 (KR per SPC); 18.6 (DW per SPC); 25.6 (SPC); Lydd-on-Sea, 29.4 (SPC); New Romney, 11.6; 14.6 (KR per SPC); SURREY (17): Milford, 8.6 (DWB per GAC); Nutfield, 7.6 (PAC); SOUTH ESSEX (18): North Chingford, 7.6 (B. Pateman per BG<sup>2</sup>); OXFORDSHIRE (23): Bagley Wood, 18.6 - at flowers of honeysuckle (R. Louch & J. Gosling per Waring (1996b)); BUCKINGHAMSHIRE (24): Chesham Bois, 7.6 (JEC & JMS); EAST NORFOLK (27): Caister, early 6 - 1 found in an outbuilding (J. Hall per Hipperson (1996)); EAST GLOUCESTERSHIRE (33): Longney, 14.6; 23.6 (AS & SS per RG); SHROPSHIRE (40): near Quatford, 26.7 - 1 larva (4th instar, per APF) found on rosebay willowherb *Chamaenerion angustifolium* (Foster 1997); GLAMORGAN (41): Manselfield, Swansea, 20.6 (per DG); CHANNEL ISLANDS (113): Guernsey, L'Ancrese, 8.6; 18.8 (Austin 1997).  
 Summary: (1): 8; (3): 20; (4): 1; (6): 1; (9): 23 (or 24); (10): 2; Hants.: 1; (13): 2; (14): 2; (15): 10; (17): 2; (18): 1; (23): 1; (24): 1; (27): 1; (33): 2; (40): 1 larva; (41): 1; (113): 2.

**Silver-striped Hawk-moth *Hippotion celerio* (Linnaeus) [I]**

SOUTH WILTSHIRE (8): Pewsey, 8.6 (Prof. H. Kay per EGS & MHS); SOUTH HAMPSHIRE (11): Fordingbridge, 15.6 (NH per BG); ANGUS (90): Forfar, 29.10 (Mrs S.M. Mather per L.E. Rogers).

**LYMANTRIDAE****Brown-tail *Euproctis chrysorrhoea* (Linnaeus) [I?/V?]**

WEST CORNWALL (1): St. Agnes, Isles of Scilly, 17.7; 19.7 - 33; 20.7 - 8; 22.7 - 6 (JH & MH); SOUTH-EAST YORKSHIRE (61): Spurn, 7.8; 10.8; 11.8 (BS); ANGUS (90): Lunan Bay, 7.8 - 1 male (Goater 1997).

**Black Arches *Lymantria monacha* (Linnaeus) [I?/V?]**

CHANNEL ISLANDS (113): Guernsey, Le Chene, 16.8 (TNDP per Austin (1997)).

**Gypsy Moth *Lymantria dispar* (Linnaeus) [I]**

SOUTH DEVON (3): Dawlish, 18.8 (AR per RMc); Plymouth, 10.8 (A. Holgate per RMc); DORSET (9): Chardstock, 22.8 - 1 very worn example (AJ per RMc); EAST SUSSEX (14): Ringmer, 19.8 (AB<sup>2</sup> per CRP); CHANNEL ISLANDS (113): Guernsey, Le Chene, 18.8 (TNDP per Austin (1997)).

**ARCTIIDAE****Hoary Footman *Eilema caniola* (Hübner) [I?/V?]**

DORSET (9): Portland Bird Observatory, 15.8 (MC); ISLE OF WIGHT (10): Bonchurch, 13.8 (JH<sup>2</sup>); Freshwater, 11.8 (SAKJ).

**Four-spotted Footman *Lithosia quadra* (Linnaeus) [I?/V?]**

DORSET (9): Bere Regis, 8.8 (S. Barrett per PD).

**Speckled Footman *Coscinia cribraria arenaria* Lempke [I]**

SOUTH ESSEX (18): Ongar, 6.8 (Woiwod *et al* 1996).

**Crimson Speckled *Utetheisa pulchella* (Linnaeus) [I]**

WEST CORNWALL (1): Penrose, 29.6; 13.7 (RH<sup>1</sup> per MT<sup>2</sup>); Poltesco, 9.6; 15.6; 23.7 (RH<sup>1</sup> per MT<sup>2</sup>); Ventomgimps (Callestick), 1.8 (S. Hutchings per BFS).

**Jersey Tiger *Euplagia quadripunctaria* (Poda) [I?/R(t)?/V?]**

DORSET (9): Eype's Mouth, 19.8 - 1 ab. *lutescens* (APF); ISLE OF WIGHT (10): Bonchurch, 8 - 15 (JH<sup>2</sup> per SAKJ); Freshwater, 30.8; 2.9 (SAKJ); EAST SUSSEX (14): Eastbourne, 18.8 - 1 female (DD & JP per CRP).

**NOLIDAE****Kent Black Arches *Meganola albula* ((Denis & Schiffermüller) [I?/V?]**

EAST NORFOLK (27): Rockland St. Mary, 7.8 (CR per Hipperson (1996)); Winterton, 17.8 (per Hipperson 1996); Winterton Dunes, 10.8 (MT<sup>2</sup>); WEST NORFOLK (28): Eccles, 26.7 (NB per Hipperson (1996)); SOUTH-EAST YORKSHIRE (61): Bridlington, 9.8 (ASE per SPC); Rudston, 12.8 (ASE per SPC).

**Scarce Black Arches *Nola aerugula* (Hübner) [I]**

EAST SUSSEX (14): Rye Harbour, 28.7 (DJF per CRP); EAST KENT (15): Dymchurch, 25.7 (JO per SPC).

**NOCTUIDAE****Coast Dart *Euxoa cursoria* (Hufnagel) [I?/V?]**

EAST KENT (15): Herne Bay, 27.7 (BM).

**Great Dart *Agrotis crassa* (Hübner) [I]**

Note: Channel Islands records not included.

DORSET (9): Portland Bird Observatory; 5.8 (MC); ISLE OF WIGHT (10): Freshwater, 12.8 (SAKJ); SOUTH HAMPSHIRE (11): Beaulieu, 8.8 (BIJ per BG).

**Purple Cloud *Actinotia polyodon* (Clerck) [I]**

EAST SUSSEX (14): Crowborough, 11.6 (MJS per CRP); EAST KENT (15): Dungeness, 18.8 (JB per SPC).

**Pale-shouldered Cloud *Chloantha hyperici* ((Denis & Schiffermüller) [I]**

EAST KENT (15): Dungeness, 20.8 (Walker 1997).

**Great Brocade *Eurois occulta* (Linnaeus) [I/V?]**

DORSET (9): Swanage, 19.8 (R. Cox per PD); ISLE OF WIGHT (10): Whitwell, 20.8 (S. Colenutt per SAKJ); SOUTH HAMPSHIRE (11): Cosham, 2.9 (TJJ per BG); NORTH HAMPSHIRE (12): Bentley, 7.8 (M. Christopher per BG); EAST SUSSEX (14): Icklesham, 20.8 (IH per CRP); Ringmer, 31.8; 2.9 (AB<sup>2</sup> per CRP); Rye Harbour, 14.8 - 2; 17.8 (DJF per CRP); EAST KENT (15): Herne Bay, 15.8 to 3.9 - 10 (including 16.8 - 4) (BM); Densole, 14.8; 31.8 (TR); Dungeness, 15.8; 16.8 (DW per SPC); 16.8; 2.9 (JB per SPC); 15.8; 3.9 (KR per SPC); Dymchurch, 18.8; 30.8 - 2 (JO per SPC); Greatstone, 17.8; 2.9 (BB per SPC); Kingsdown, 6.9 (DB); Littlestone, 3.9 (KR per SPC); Lydd, 2.9 (KR per SPC); New Romney, 17.8 - 2; 18.8 - 2; 22.8 (KR per SPC); Snargate, 4.9 - 1 to wine rope (TR); SURREY (17): South Croydon, 2.9 (GAC); SOUTH ESSEX (18): Bradwell-on-Sea, 16.8 to 6.9 - 15 (inc. 16.8 - 6) (AJD & SD); Theydon Bois, 30.8 (J. Green per Plant (1997)); NORTH ESSEX (19): Beaumont-cum-Moze, 20.8 (JBF per BG<sup>2</sup>); Dovercourt, 17.8 (CG per BG<sup>2</sup>); Jaywick, 19.6 (JY per BG<sup>2</sup>); 15.8 (JW per BG<sup>2</sup>); Saffron Walden, 1.9 (given as 2 per BG<sup>2</sup>); 3.9 (AME per SPC); St Osyth, 2.9 (RWA per BG<sup>2</sup>); HERTFORDSHIRE (20): Easneye, 15.8 (M. Pledger per Plant (1997)); MIDDLESEX (21):

Hampstead, 2.9 (RAS); BUCKINGHAMSHIRE (24): Lavendon, 16.8 - 2; 17.8 (G. Moss per GEH); Slough, 30.8 (Hayward 1998); EAST NORFOLK (27): Barnham Broom, 16.8; 19.8 (JG per Hipperson (1996)); Hainford, 16.8 (Hipperson 1996); North Tuddenham, 16.8 (B. Pummell per Hipperson (1996)); Sheringham Park, 14.8 (K. Zealand per Hipperson (1996)); Wheatacre, 15.8; 16.8; 30.8 (RH per Hipperson (1996)); Winterton, 17.8 - 2 (per Hipperson (1996)); WEST NORFOLK (28): Eccles, 17.8 (NB per Hipperson (1996)); Holkham NNR, 14.8 - 9; 5.9 - 3 (MT<sup>2</sup> & TC); CAMBRIDGESHIRE (29): Welches Dam RSPB, 3.9 (RP); EAST GLOUCESTERSHIRE (33): Cheltenham, 12.9 (R. Homan per RG); WARWICKSHIRE (38): Rugby, 2.9 (Dr D. Porter per DB); GLAMORGAN (41): Llanccadle, nr. Barry, 4.7 (per DG); NORTH LINCOLNSHIRE (54): Gibraltar Point, 26.7 (DB); SOUTH-EAST YORKSHIRE (61): Kilnsea, undated (P.A. Crowther per BS); CUMBERLAND (70): Cockermouth, 23.9 (T. Dale per DWK); Milton, 19.8 (G.R. Naylor per DWK); ORKNEY ISLANDS (111): Craigiefield, 8.8 (per SVG); North Ronaldsay, 29.8 (MG per SVG); Quoyberstane, 13.8 to 20.8 - 4 (SVG); Smyril, 16.8 (ERM per SVG); SHETLAND ISLANDS (112): Baltasound, 6.8; 7.8; 12.8 to 14.8 - 20; 25.8 - 2 (Pennington 1997); Eswick, 12.8 to 14.8 - 108; 26.8; 27.8; 29.8; 31.8 (Pennington 1997); Norwick, 12.8 to 14.8 - 32 (Pennington 1997); Ocrabooy, 12.8 to 14.8 - 20 (Pennington 1997); Upper Toft, Fetlar, 12.8 (Pennington 1997); Veensgarth, 12.8 to 14.8 - 4 (Pennington 1997); Voehead, 12.8 to 14.8 - 2; 29.8 (Pennington 1997); (also a few other records, but details not given. A total of 345 recorded over the year) (MGP).

Summary: (9): 1; (10): 1; (11): 1; (12): 1; (14): 6; (15): 32; (17): 1; (18): 16; (19): 7 (or 8); (20): 1; (21): 1; (24): 4; (27): 10; (28): 13; (29): 1; (33): 1; (38): 1; (41): 1; (54): 1; (61): 1; (70): 2; (111): 7; (112): 345.

#### **White Point *Mythimna albipuncta* ([Denis & Schiffermüller]) [I]**

WEST CORNWALL (1): St. Agnes, Isles of Scilly, 14.9 (JH & MH); The Lizard, 9.10 (PB); SOUTH DEVON (3): Beer, 20.8 - 2 (BH); Branscombe, 12.7 (PB); 12.7 - 2 (RMc); Dawlish, 21.8 (AR per RMc); Prawle Point, 20.8 (RMc); DORSET (9): Gaunt's Common, 19.8 (PD); Portland Bird Observatory, 16.8 to 15.9 - 41 (MC); West Bexington, 12.8; 16.8; 18.8 - 2 (RE per PD); ISLE OF WIGHT (10): Binstead, 23.8; 5.9 (BJW); Bonchurch, 18.8 (JH<sup>2</sup>); Freshwater, 14.8; 22.8; 28.8; 2.9; 6.9; 24.9 (SAKJ); Knowles Farm, 20.6 (TS per BG); SOUTH HAMPSHIRE (11): Beaulieu, 21.6 to 2.9 - 6 (BIJ per BG); Hayling Island, 31.8 (PIVS per BG); Park Shore, 5.9 (BG); Southsea, 31.8 (JRL per BG); Warsash, 8 - 4; 9 - 5 (PMP per BG); WEST SUSSEX (13): Pagham Harbour, 2.9 (JTR per CRP); Walberton, 22.8; 3.9; 22.9 (JTR per CRP); EAST SUSSEX (14): Holywell, 13.8 - 2 (CRP & MSP); Icklesham, 14.8; 22.8; 30.8 (IH per CRP); Peacehaven, 14.8; 22.8; 26.8 (CRP); Pevensey, 2.9 (SC per CRP); Rye Harbour, 19.9; 11.8; 13.8 - 2; 18.8; 19.8 - 2; 20.8 - 2; 21.8 (DJF per CRP); EAST KENT (15): Densole, 1.6; 22.8; 23.8; 24.8; 30.8 (TR); Dungeness, 7.8; 15.8; 16.8; 17.8; 19.8 - 3; 22.8; 14.9 (DW per SPC); 7.7; 8.7; 16.8; 19.8 (JB per SPC); 10.6; 19.8 - 3; 21.8 - 4; 22.8 - 2; 23.8; 25.8; 26.8 - 2; 28.8; 30.8; 1.9; 11.9 (KR per SPC); 14.8; 23.8; 24.8 - 2; 29.8 (SPC); 1.9 (TR); Greatstone, 11.6; 20.8; 22.8 - 2; 16.9 (BB per SPC); Herne Bay, 7.6 to 14.10 - 7 (including 31.8 - 2) (BM); Kingsdown, 6.9 - 2 (DB); Littlestone, 7.6 (KR per SPC); Lydd, 11.8; 26.8 - 2 (KR per SPC); Lydd-on-Sea, 19.8 (SPC); New Romney, 9.8; 20.8; 21.8; 25.8; 15.9 (KR per SPC); SOUTH ESSEX (18): Bradwell-on-Sea, 11.6 to 22.9 - 12 (AJD & SD); NORTH ESSEX (19): Copperas Wood, 28.9 (PS<sup>2</sup> per BG<sup>2</sup>); Jaywick, 26.8 (JY per BG<sup>2</sup>); EAST SUFFOLK (25): Landguard, 9 (Odin 1997); EAST NORFOLK (27): Norwich, 23.8 (R. Moore per Hipperson (1996)); WEST NORFOLK (28): Stiffkey, 27.7 (TC per Hipperson (1996)); SOUTH LINCOLNSHIRE (53): Rippingale Fen, 16.8 (L. Lamin per RJ); CHANNEL ISLANDS (113): Guernsey, 5 sites on 19 nights between 5.6 and 19.10 (Austin 1997); Sark, 27.6 (RL & ML per Austin (1997)).

Summary: (1): 2; (3): 7; (9): 46; (10): 10; (11): 18; (13): 4; (14): 19; (15): 65; (18): 12; (19): 2; (25): 1; (27): 1; (28): 1; (53): 1; (113): 20+.

#### **Delicate *Mythimna vitellina* (Hübner) [I]**

WEST CORNWALL (1): Bass Point, The Lizard, 14.9 (CH); Church Cove, The Lizard, 25.4; 6.10 - 16; 20.10 - 6 (128 recorded between 25.4 to 20.10; 48 in 9 and 79 in 10) (MT<sup>2</sup>); Coverack,

The Lizard, 11.10 - 4; 12.10; 13.10 - 3 (DB); Kennack Sands, 21.10 - 5 (JHC); Meadow Dean, Ruan Minor, 21.10 - 4; 22.10 - 2; 23.10 (JHC); Mullion, 18.8; 19.8 - 2; 20.8 (PAC); St Agnes, Isles of Scilly, 25.4; 27.4; 5.6 - 5; 6.6; 11.6; 17.6; 20.6; 24.6; 26.6; 3.7; 8.7; 19.7; 26.8; 31.8 - 2; 5.9 - 3; 10.9; 13.9 - 3; 14.9; 19.9 - 21; 21.9 - 17; 27.9 - 4; 2.10 - 2; 6.10 - 2; 9.10 - 2; 14.10; 19.10; 22.10; 29.10 (JH & MH); The Lizard, 19.8 - 8 (DB, AG & RCK); 23.9 - 7; 25.9 - 4; 26.9 - 10 (DB & MT<sup>2</sup>); 9.10 (PB); SOUTH DEVON (3): Abbotskerswell, 15.5; 26.10 (BH); Branscombe, 19.10 - 8 (RMc); Countess Wear, Exeter, 7.10; 13.10 (PB<sup>2</sup> per RMc); Dawlish, 23.9; 2.10; 7.10; 10.10 - 2; 11.10; 12.10; 14.10 - 10; 16.10 - 7; 17.10 - 6; 21.10 - 5; 22.10 (AR per RMc); Prawle Point, 21.9 - 6 (RMc); Teignmouth, 27.9; 19.10 (RMc); West Hill, Ottery St Mary, 20.9, thereafter most nights until end 10 (PB); SOUTH SOMERSET (5): Bishops Lydeard, 3.10; 14.10; 28.10 (MDB); SOUTH WILTSHIRE (8): Steeple Ashton, 25.10 (EGS & MHS); DORSET (9): Durlston, 16.10 (JEC); 22.10 - 6 (DB & AG); 23.10 - 2; 24.10 - 3 (DB); 23.10 - 3 (PD); Portland Bird Observatory, 7.6; 13.6 - 2; 11.8 to 22.10 - 55 (MC); St Alban's Head, 6.10 - 2 (PD); Studland, 23.10 - 2; 24.10 - 5 (DB); West Bexington, 25.4; 20.9 - 2; 21.9 - 2; 30.9 - 2; 1.10; 2.10 - 2; 3.10; 4.10; 5.10; 6.10 - 2; 7.10 - 4; 8.10 - 3; 10.10 - 5; 16.10 - 10; 18.10 - 2; 19.10; 29.10 (RE per PD); ISLE OF WIGHT (10): Binstead, 22.10 - 2 (BJW); Freshwater, 10.6 to 25.10 - 32 (SAKJ); SOUTH HAMPSHIRE (11): Brockenhurst, 12.10 (JEC); Cosham, 13.10 (TJJ per BG); Kings Somborne, 12.10; 13.10 (TJN per BG); Southsea, 23.10 (JRL per BG); Sparsholt, 19.10 - 2; 28.10 (RAB); Warsash, 17.10; 20.10 (PMP per BG); NORTH HAMPSHIRE (12): Selborne, 18.10; 23.10 (AEA per BG); WEST SUSSEX (13): Atherington, 23.10 - 1 to ivy blossom (MSP); Climping, 23.10 - 2 (DB); Walberton, 22.10; 27.10; 5.11 (JTR per CRP); EAST SUSSEX (14): Icklesham, 24.10 - 2 (IH per CRP); Peacehaven, 3.10; 17.10; 18.10 (CRP); Rye Harbour, 24.7; 30.9; 20.10; 24.10 (DJF per CRP); EAST KENT (15): Densole, 12.10; 13.10; 14.10; 17.10 (TR); Dungeness, 1.10 (JB per SPC); 28.9; 29.9 - 2; 30.9; 13.10; 14.10 - 4; 15.10 - 2; 21.10; 24.10; 25.10 - 2 (KR per SPC); 17.10; 24.10; 25.10 (SPC); Folkestone Warren, 24.10 - 3 (TR); Greatstone, 1.10 (BB per SPC); Herne Bay, 8.10 to 5.11 - 11 (including 24.10 - 3) (BM); Littlestone, 10.10 (KR per SPC); Lydd, 26.9; 30.9; 13.10 - 2; 19.10 - 2; 20.10; 24.10 (KR); New Romney, 12.8; 25.9; 30.9; 14.10; 20.10 - 2 (KR per SPC); SURREY (17): Milford, 13.10; 21.10 (DWB per GAC); SOUTH ESSEX (18): Bradwell-on-Sea, 17.10; 19.10; 23.10; 27.10 (AJD & SD); NORTH ESSEX (19): Mistley, 17.10 - 2 (ICR per BG<sup>2</sup>); WARWICKSHIRE (38): Charlecote, 24.10 (DB); ISLE OF MAN (71): Dhoon Maughold, 15.10; 17.10 (LK per GDC); CHANNEL ISLANDS (113): Guernsey, 6 sites on 32 night between 8.6 and 2.11 (Austin 1997); Herm, 8.10 (PHS per Austin (1997)); Sark, 24.6 (RL & ML per Austin (1997)).  
Summary: (1): 262; (3): 58+; (5): 3; (8): 1; (9): 123; (10): 34; (11): 10; (12): 2; (13): 6; (14): 9; (15): 53; (17): 2; (18): 4; (19): 2; (38): 1; (71): 2; (113): 34+.

### L-album Wainscot *Mythimna l-album* (Linnaeus) [I?/V?/R?]

Note: A record from outside Dungeness, East Kent to Cornwall and not including the Channel Islands.

EAST KENT (15): Folkestone Warren, 24.10 - 3 (TR).

### White-speck *Mythimna unipuncta* (Haworth) [I]

WEST CORNWALL (1): Bass Point, The Lizard, 14.9 - 2 (CH); Church Cove, The Lizard, 19.9 - 4; 8.11 (50 recorded between the two dates; 23 in 9; 26 in 10) (MT<sup>2</sup>); Coverack, The Lizard, 11.10; 12.10 (DB); Kennack Sands, 21.10 - 2 (JHC); Meadow Dean, Ruan Minor, 19.10 - 3; 20.10 - 5; 21.10 - 7; 22.10 - 5 (JHC); Mullion, 20.8; 24.8 (PAC); St. Agnes, Isles of Scilly, 18.1; 25.6 - 1 by day; 6.7; 17.8; 18.8; 24.8; 26.8 - 3; 31.8 - 3; 3.9 - 2; 5.9; 7.9 - 3; 10.9 - 3; 13.9 - 13; 14.9 - 5; 19.9 - 3; 21.9; 27.9 - 3; 2.10 - 2; 6.10 - 2; 9.10; 18.10 - 3; 19.10 - 3; 22.10 - 6; 23.10 - 2; 29.10 (JH & MH); The Lizard, 18.8 - 5; 19.8 - 14 (DB, AG & RCK); 20.8 (DB); 23.9 - 2; 24.9 - 2; 25.9 - 2; 26.9 - 4 (DB & MT<sup>2</sup>); 9.10 (PB); SOUTH DEVON (3): Abbotskerswell, 7.10 (BH); Countess Wear, Exeter, 18.9; 19.9; 22.10 (PB<sup>2</sup> per RMc); Dawlish, 16.8; 31.8; 5.9; 10.10 (P. Franghiadi per RMc); 22.9; 2.10; 10.10 - 2 (AR per RMc); Prawle Point, 20.8; 21.9 - 2 (RMc); Starcross, 10.6 (AHD); Teignmouth, 1.9; 23.9 (RMc); SOUTH SOMERSET (5): Bishops Lydeard, 22.9 (MDB); DORSET (9): Durlston, 22.10 (DB & AG); Gaunt's Common, 23.10 (PD); Portland Bird Observatory,



15.6 to 24.6 - 5; 22.8 to 9.10 - 24 (MC); St Alban's Head, 6.10 (PD); West Bexington, 22.8; 10.9; 19.9; 20.9; 22.9; 26.9; 2.10 - 3; 4.10 - 2; 7.10; 8.10 - 2 (RE per PD); ISLE OF WIGHT (10): Binstead, 31.10 (BJW); Freshwater, 21.10; 22.10; 24.10 - 2 (SAKJ); Freshwater, The Causeway, 24.6 (D.B. Wooldridge per BG); SOUTH HAMPSHIRE (11): Woolston, 20.9 (ARC per BG); EAST SUSSEX (14): Rye Harbour, 20.10 (DJF per CRP); EAST KENT (15): Dungeness, 13.10; 14.10; 19.10; 20.10 - 2 (KR per SPC); Greatstone, 16.10 (BB per SPC); Herne Bay, 15.10; 16.10 (BM); SOUTH ESSEX (18): Bradwell-on-Sea, 7.10; 14.10 (AJD); NORTH ESSEX (19): Mistley, 27.7 (ICR per BG<sup>2</sup>); EAST SUFFOLK (25): Landguard, 9 - 3 (Odin 1997); WESTMORLAND (69): South Walney, 7.9 (WM per DWK); ISLE OF MAN (71): Calf of Man, 2.9 (TB); Dhoon Maughold, 6.10; 7.10; 15.10 - 6; 15.11; 16.11 - 3 (LK per GDC) CHANNEL ISLANDS (113): Guernsey, L'Ancrese, 20.10 (Austin 1997); La Broderie, 6.9; 12.9; 9.10; 11.10; 24.10 (PC per Austin (1997)); Le Chene, 12.9 (TNDP per Austin (1997)).  
Summary: (1): 174; (3): 18; (5): 1; (9): 46; (10): 6; (11): 1; (14): 1; (15): 8; (18): 2; (19): 1; (25): 3; (69): 1; (71): 13; (113): 7.

#### **The Cosmopolitan *Mythimna loreyi* (Duponchel) [I]**

WEST CORNWALL (1): Church Cove, The Lizard, 27.9 - 2; 2.10; 6.10 - 3; 9.10 - 4; 10.10; 19.10; 24.10 (MT<sup>2</sup>); Coverack, 25.9; 26.9 (MT<sup>2</sup>); Kynance, 19.9 (MT<sup>2</sup>); Meadow Dean, Ruan Minor, 21.10 - 1 female; 22.10 - 2 males; 23.10 - 2 males; 24.10 - 1 female (JHC); St Agnes, Isles of Scilly, 6.6 (JH & MH); The Lizard, 19.8 - 2 (DB, AG & RCK); 25.9; 26.9 (DB & MT<sup>2</sup>); SOUTH DEVON (3): Countess Wear, Exeter, 7.10 (PB<sup>2</sup> per RMc); Dawlish, 4.9; 5.9 (AR per Rmc) (possibly only one record); SOUTH SOMERSET (5): Staplegrove, Taunton, 16.9 (JMc); DORSET (9): Guant's Common, 12.10 (PD); Portland Bird Observatory, 13.6; 11.8 to 9.10 - 19 (MC); St Alban's Head, 6.10 (PD); West Bexington, 3.9; 2.10; 11.10 (RE per PD); ISLE OF WIGHT (10): Freshwater, 1.9 (SAKJ).  
Summary: (1): 27; (3): 2 (or 3); (5): 1; (9): 25; (10): 1.

#### **Toadflax Brocade *Calophasia lunula* (Hufnagel) [I?]**

SOUTH HAMPSHIRE (11): Browndown/Alver Valley, 3.8 (SS<sup>2</sup> & DW<sup>2</sup> per SPC); Gosport, 18.8 (D. Walker per JRL per BG).

#### **Golden-rod Brindle *Lithomoia solidaginis* (Hübner) [I?]**

NORTH ESSEX (19): Great Chesterford, 2.9 (JR); HERTFORDSHIRE (20): Bishops Stortford, 1.9 - 1 male (JR<sup>2</sup> per CWP); Broxbourne Wood, 8.9 - 1 male (P. Jeffery per CWP); WEST NORFOLK (28): Docking, 31.8 (R. Skeen per Hipperson (1996)).

#### **Red Sword Grass *Xylena vetusta* (Hübner) [I?]**

EAST SUFFOLK (25): Landguard, 9 (Odin 1997); EAST NORFOLK (27): Holt, around 12.5 (per MT<sup>2</sup>); WEST NORFOLK (28): Swanton Novers Great Wood, nr Fakenham, 12.5 (MT<sup>2</sup>).

#### **Flame Brocade *Trigonophora flammea* (Esper) [I]**

Note: Channel Islands records not included.

DORSET (9): Durlston, 14.10 (JEC); ISLE OF WIGHT (10): Freshwater, 14.10 (SAKJ); SOUTH HAMPSHIRE (11): Sandy Point, Hayling Island, 14.10 (P. Selby per BG); EAST SUSSEX (14): Eastbourne, 23.10 (DD & JP per CRP).

#### **Red-headed Chestnut *Conistra erythrocephala* ([Denis & Schiffermüller]) [I]**

WEST SUSSEX (13): Atherington, 25.10 - 1 female to ivy blossom (MSP); CHANNEL ISLANDS (113): Jersey, 12.6 to 14.6 - 1 (Woiwod et al 1996).

#### **Marsh Dagger *Acronicta strigosa* ([Denis & Schiffermüller]) [I]**

EAST SUSSEX (14): Rye Harbour, 22.7 (DJF per Waring (1996c)).

#### **Scarce Dagger *Acronicta auricoma* ([Denis & Schiffermüller]) [I]**

SOUTH HAMPSHIRE (11): Warsash, 7.8 to 9.8 - 1 (PMP per BG); EAST SUSSEX (14): Icklesham, 14.8; 15.8 (IH per CRP); EAST KENT (15): Sholden, 8.8 (Davey 1997).

**Reed Dagger *Simyra albovenosa* (Goeze) [I?/V?]**

SOUTH-EAST YORKSHIRE (61): Spurn, 19.7 (BS).

**Tree-lichen Beauty *Cryphia algae* (Fabricius) [I]**

ISLE OF WIGHT (10): Ninham, 23.8 (JR); SOUTH HAMPSHIRE (11): Solent Court [Warsash], 7.8 to 12.8 - 4; 2.9 (PMP per BFS); WEST SUSSEX (13): Walberton, 5.8 (JTR per CRP); EAST SUSSEX (14): Holywell, 13.8 (MSP & CRP); Peacehaven, 22.8 (CRP); Rye Harbour, 14.8 (DJF per CRP); EAST KENT (15): Dungeness, 25.8 (KR per SPC); Littlestone, 20.8 (KR per SPC); Lydd, 14.8 (KR per SPC); HERTFORDSHIRE (20): Bishops Stortford, 19.8 - 1 male (JR<sup>2</sup> & J. Fish per CWP); CHANNEL ISLANDS (113): Guernsey, La Croix, Forest, 31.8 (J. Brehaut per Austin (1997)); Le Chene, 19.8 (TNDP per Austin (1997)).

Summary: (10): 1; (11): 5; (13): 1; (14): 3; (15): 3; (20): 1; (113): 2.

**Marbled Grey *Cryphia raptricula* ([Denis & Schiffermüller]) [I]**

EAST KENT (15): Dungeness, 22.7 (K. Palmer per Waring (1996c)); 9.8 (SPC).

**The Orache *Trachea atriplicis* (Linnaeus) [I]**

Note: Channel Islands records not included.

ISLE OF WIGHT (10): Freshwater, 9.8 (SAKJ).

**Angle-striped Sallow *Energia paleacea* (Esper) [I/V?]**

EAST SUSSEX (14): Rye Harbour, 19.8 (DJF per CRP); EAST KENT (15): Herne Bay, 17.8 (BM); Dungeness, 1.9 (TR); WEST NORFOLK (28): Swanton Novers Great Wood, nr. Thursford, 7.9 (MT<sup>2</sup>); SHETLAND ISLANDS (112): Baltasound, 12.8 (MGP); Eswick, 12.8 - 3 (MGP); Unst, Skaw, 12.8 - at rest by day (MGP).

Summary: (14): 1; (15): 2; (28): 1; (112): 5.

**Scarce Brindle *Apamea lateritia* (Hufnagel)**

SHETLAND ISLANDS (112): Norwick, 11.8 - to sugar; 12.8 (MGP).

**Lyme Grass *Chortodes elymi* (Treitschke) [I?/V?]**

ORKNEY ISLANDS (111): Craigiefield, 13.8 (SVG).

**Mere Wainscot *Chortodes fluxa* (Hübner) [I?/V?]**

DORSET (9): Portland Bird Observatory, 5.8 - 3 (MC); SOUTH HAMPSHIRE (11): Gosport, 3.8 (Davey 1997); EAST KENT (15): Herne Bay, 5.8 (BM).

**Dumeril's Luperina *Luperina dumerilii* (Duponchel) [I]**

DORSET (9): Portland Bird Observatory, 14.9 (MC).

**Scarce Arches *Luperina zollikoferi* (Freyer) [I]**

WEST SUSSEX (13): Paghham Harbour, 2.9 (JTR per CRP).

**Small Mottled Willow *Spodoptera exigua* (Hübner) [I]**

Summary only: The vice-county number is given in brackets, followed by the number of individuals sighted in each vice-county (county). Where no numbers were given for an individual record, it was taken to be 1. Hence, the totals are approximate. This is followed by the monthly representation of the records. In several cases it was impossible to assign a given record to an individual month. As with the totals for the vice-counties, the monthly totals are, therefore, approximate.

Summary: (1): 860; (3): 216+; (5): 27; (6): 1; (7): 2; (9): 998; (10): 53; (11): 95+; (12): 23+; (13): 30; (14): 58; (15): 177; (17): 9; (18): 50; (19): 3; (20): 1; (21): 1; (22): 1; (24): 2; (25): 2; (27): 9; (30): 1; (31): 1; (33): 5; (34): 2; (38): 20; (41): 6; (44): 4; (48): 1; (53): 2; (54): 3; (61): 4; (63): 1; (69): 2; (71): 3; (72): 1; (111): 7; (112): 7; (113): 140+.

April: 1; June: 766+; July: 84+; August: 1,658+; September: 65+; October: 24+; November: 1.

Earliest date: SOUTH HAMPSHIRE (11): Titchfield Haven NNR, 16.4 (Waring 1996a).

Latest date: EAST KENT (15): Herne Bay, 1.11 (BM).

Possibly significant records: WEST CORNWALL (1): Mullion, 21.8 - 16 (PAC); St Agnes, Isles of Scilly, 19.6 - 94; 22.6 - 67; 24.6 - 55; 26.6 - 43; 2.8 - 30; 4.8 - 49; 7.8 - 18; 12.8 - 64; 13.8 - 24; 15.8 - 69; 17.8 - 43; 18.8 - 35 (JH & MH); The Lizard, 18.8 - 45; 19.8 - 80 (DB, AG & RCK); SOUTH DEVON (3): Dawlish, 5.8 - 22; 19.8 - 51; 22.8 - 21 (AR per RMc); Prawle Point, 7.6 - 20 + (RMc); Starcross, 12.8 - 21 (AHD); DORSET (9): Portland Bird Observatory, 6.6 to 6.10 - 749, a peak of 96 on 19.6 (including 21.6 - 35; 24.6 - 40; 26.6 - 46; 27.6 - 22; 5.8 - 20; 7.8 - 25; 11.8 - 18; 12.8 - 28; 13.8 - 46; 14.8 - 33; 15.8 - 23; 16.8 - 43; 17.8 - 18; 18.8 - 19; 19.8 - 20; 31.8 - 17 (MC per PD); Trigon, 17.8 - 15 (PD); West Bexington, 18.8 - 27; 19.8 - 17 (RE per PD); Weymouth, 19.6 - 21 (PHS per PD); CHANNEL ISLANDS (113): Guernsey, La Broderie, 21.6-29 (PC per Austin (1997)).

### Scarce Bordered Straw *Heliocoverpa armigera* (Hübner) [I]

Summary only: The vice-county number is given in brackets, followed by the number of individuals sighted in each vice-county (county). Where no numbers were given for an individual record, it was taken to be 1. Hence, the totals are approximate. This is followed by the monthly representation of the records. In several cases it was impossible to assign a given record to an individual month. As with the totals for the vice-counties, the monthly totals are, therefore, approximate.

Summary: (1): 54; (3): 30+; (5): 6; (6): 1; (7): 1; (9): 85; (10): 14; (11): 28; (12): 12; (13): 6; (14): 22; (15): 38; (17): 4; (18): 5; (20): 1; (24): 1; (25): 2; (27): 2; (28): 3; (33): 3; (38): 2; (41): 3; (54): 2; (56): 2; (57): 4; (61): 1; (69): 1; (71): 1; (111): 1; (112): 1; (113): 24.

June: 26; July: 4; August: 144+; September: 84+; October: 46+; November: 2.

Earliest dates: SOUTH DEVON (3): Prawle Point, 7.6 - 6 (RMc); DORSET (9): Portland Bird Observatory, 7.6 (MC).

Latest dates: SOUTH DEVON (3): Abbotskerswell, 3.11 (BH); BUCKINGHAMSHIRE (24): Lavenden, 3.11 (G. Moss per GEH).

Possibly significant records: WEST CORNWALL (1): The Lizard, 18.8 - 12; 19.8 - 25 (DB, AG & RCK); SOUTH DEVON (3): Prawle Point, 21.9 - 5 (RMc); DORSET (9): Portland Bird Observatory, 7.6 to 17.6 - 7; 8.8 to 2.10 - 41 (MC).

### Marbled Clover *Heliothis virespila* (Hufnagel) [I?/V?]

NORTH WILTSHIRE (7): Chittoe, 17.8 (EGS & MHS); ISLE OF WIGHT (10): Freshwater, 13.8; 14.8 (SAKJ); NORTH HAMPSHIRE (12): Crawley, 20.8 (RAB per BG); EAST NORFOLK (27): Barnham Broom, 9.8 (8.8 per Davey (1997)); (JG per Hipperson (1996)); Salthouse Heath, 10.8 (per Hipperson (1996)); WEST NORFOLK (28): Stiffkey, 17.8 (Davey 1997).

### Bordered Straw *Heliothis peltigera* ([Denis & Schiffermüller]) [I]

Summary only: The vice-county number is given in brackets, followed by the number of individuals sighted in each vice-county (county). Where no numbers were given for an individual record, it was taken to be 1. Hence, the totals are approximate. This is followed by the monthly representation of the records. In several cases it was impossible to assign a given record to an individual month. As with the totals for the vice-counties, the monthly totals are, therefore, approximate.

Summary: (1): 138; (2): 1; (3): 145+ & 7+ larvae; (5): 20; (6): 4; (7): 1; (8): 1; (9): 528 (+ 1 larva); (10): 94; (11): 99+; (12): 36; (13): 21; (14): 206; (15): 338 & 1,000s larvae; (16): 2; (17): 41; (18): 24; (19): 11; (20): 2; (21): 1; (21): 1; (22): 1; (23): 5; (24): 10; (25): 41; (27): 20; (28): 12; (29): 3; (30): 2; (31): 3; (32): 1; (33): 7; (34): 5; (38): 22; (41): 28; (44): 2; (53): 2; (54): 13; (56): 7; (57): 15; (61): 29; (69): 56; (71): 3; (112): 1; (113): 71; (H12): 1.

April: 1; June: 997+; July: 23+ (+ 1000's larvae); August: 456+ (+ 1 larva); September: 78+; October: 6.

Earliest date: WEST CORNWALL (1): St. Agnes, Isles of Scilly, 6.4 (JH & MH).

Latest dates: [NORTH SOMERSET (6): Timsbury, undated, 22.10 (recorded as Scarce Bordered Straw (*Heliothis peltigera*)) (Barnett, Edmondson & Evans 1997)]; EAST KENT (15): Dungeness, 19.10 (DW per SPC).

Possibly significant records: WEST CORNWALL (1): St. Agnes, Isles of Scilly, 17.6 - 15; 19.6 - 19; 20.6 - 11; 24.6 - 31 (JH & MH); The Lizard, 19.8 - 10 (DB, AG & RCK); SOUTH DEVON (3): Branscombe Mouth, 19.8 - 1 larva on *Ononis* (BH); Codford St Mary, 17.6 - by day (PB); Prawle Point, 7.6 - 100's (RMC); Rosemorr RHS garden, undated - larvae on garden marigold *Calendula* (PB); Shaldon, 13.7 - 4 larvae on *Ononis* (BH); Slapton, 16.7 - larvae abundant on three species of thistle and scabious (PB); Tilshead, 17.6 - by day (PB); SOUTH WILTSHIRE (8): Great Cheverell Hill, 18.8 - 1 nectaring in late morning from *Centaurea* (GRE); DORSET (9): Brownsea Island, 20.8 - 1 flying by day (MT); Chesil Beach, 7.7 - larva on *Ononis* (JEC & RC); Durlston, 9.6 - 40 (DB & RCK); Gaunt's Common, 7.6 - 10 (PD); Hambledon Hill, 13.6 - 1 by day (PHS per PD); Lulworth Cove, 21.8 - 1 by day (MT); Portland Bird Observatory, 6.6 to 22.6 - 94 (including 9.6 - 10 (MC per PD)); 5.8 to 22.9 - 125 (MC); West Bexington, 16.6 - 16; 17.6 - 29 (RE per PD); Swanage, 7.6 - 55 (AG); Worth Matravers, 18.8 - 20; 19.8 - 14 (MT); ISLE OF WIGHT (10): Knowles Farm, 23.6 - 1 by day (per BG); St. Catherine's Point 23.6 - 1 by day (TS per BG); Ventnor Down, 20.8 - 1 feeding at heather blossom, a further 5 seen (JR); SOUTH HAMPSHIRE (11): Eastney, 12.8 - several at lucerne by day (JRL per BG); 15.8 - 1 at *Buddleia* by day (IRT per BG); Sinah Common, 20.6 - c.8 flying at around 6pm, nectaring at *Echium vulgare* and observed ovipositing on *Ononis* (GRE); SUSSEX: Hollington, 14.6 - feeding by day (T. Buttle per CRP); WEST SUSSEX (13): Walberton, 15.6 - flying by day (JTR per CRP); EAST SUSSEX (14): Blackcap, 14.6 - 1 swept by day (APF); Hollingbury, 7.8 - feeding by day (AB<sup>2</sup> per CRP); Holywell, 13.8 - 27 (CRP & MSP); Peacehaven, 16.6 - feeding on valerian by day (CRP); Rye Harbour, 12.6 - 12; 13.6 - 20; 15.5 - 15 (DJF per CRP); Westfield, 17.6 - feeding by day (RH<sup>2</sup> per CRP); EAST KENT (15): Dungeness, 7 - larvae "in thousands" (SPC); SOUTH ESSEX (18): Bradwell-on-Sea, 8.6 to 10.9 - 24 (inc. 6 by day) (AJD & SD); EAST NORFOLK (27): Winterton, 17.8 - 10 (per Hipperson (1996)); BEDFORDSHIRE (30): Potton Wood, 21.8 - nectaring on *Centaurea* (Woiwod 1997); NOTTINGHAMSHIRE (56): Dukes Wood, 22.8 - netted off knapweed (Elliot & Wright 1997); DERBYSHIRE (57): Beeley Moor, 20.8 - 12 (HGHM & JTS per SPC); Spurn, 21.8 - 4 by day; 23.8 - 2 by day; 24.8 - 16 by day; 27.8 - 2 by day (BS).

#### Small Marbled *Eublemma parva* (Hübner) [I]

WEST CORNWALL (1): Church Cove, The Lizard, 24.10 - 1 female (MT<sup>2</sup>); The Lizard, 19.8 (DB, AG & RCK); DORSET (9): Portland Bird Observatory, 26.6 (MC).

#### Silver Barred *Deltote bankiana* (Fabricius) [I<sup>2</sup>/V<sup>2</sup>]

EAST SUSSEX (14): Rye Harbour, 23.7 (K. Palmer per CRP); EAST KENT (15): Bishopstone, 22.7 (Anon 1996a); Herne Bay, 22.7 (BM); Dungeness, 22.7 (KR per SPC); 22.7 (TR); Dymchurch, 10.8 (JO per SPC); Minnis Bay, 23.7 (Anon 1996a); SOUTH ESSEX (18): Bradwell-on-Sea, 8.8 (SD); NORTH ESSEX (19): Copperas Wood, 28.9 (PS<sup>2</sup> per BG<sup>2</sup>); St Osyth, 5.8 (RWA per BG<sup>2</sup>).

#### Pale Shoulder *Acontia lucida* (Hufnagel) [I]

DORSET (9): West Bexington, 18.8 (RE per Waring (1996c)); SOUTH HAMPSHIRE (11): Linford, 19.8 (Cook 1997).

#### Golden Twin-spot *Chrysodeixis chalcites* (Esper) [I]

SOUTH ESSEX (18): Bradwell-on-Sea, 23.9; 24.9 (AJD); EAST SUFFOLK (25): Languard, 20.9 (Odin 1997).

#### The Ni Moth *Trichoplusia ni* (Hübner) [I]

Locality not given, 5.8 - 2 (A.P.K. Torry per CWP); WEST CORNWALL (1): St. Agnes, Isles of Scilly, 20.6 - 2; 12.8; 20.8 (JH & MH); The Lizard, 18.8; 19.8 - 28 (DB, AG & RCK); SOUTH DEVON (3): Abbotskerswell, 5.8 (BH); Plympton, 27.6 (RJH); Prawle Point, 7.6 - 3 (RMC); Teignmouth, 18.8; 22.8 - 2 (RMC); SOUTH SOMERSET (5): Bishops Lydeard, 5.8; 17.8; 3.9 (MDB) (a total of 4 is given in Bryan (1997)); Staplegrove, Taunton, 2.9 (JM); NORTH SOMERSET (6): Ashcott, undated (Anon 1996b); SOMERSET/GLOUCESTERSHIRE: Bishopston, 25.8 (R. Higgins per Barnett, Edmondson & Evans (1996d)); NORTH WILTSHIRE

(7): Crudwell, 17.8 (APF); Wroughton, undated (D.J. Brotheridge per SPC); DORSET (9): Abbotsbury, 15.8 - 2; 20.8 (D. Hallett per PD); Arne, 15.8 (NH per PD); Chardstock, 17.8 to 19.8 - 3 (AJ per RMc); Gaunt's Common, 6.6; 8.8; 18.8 (PD); Higher Hyde, 7.8 (PHS per PD); Langton Matravers, 13.8 - 3 (P. Gray per PD); Portland, 14.8 - 2 (DB); Portland Bird Observatory, 7.6 - 2; 18.6; 2.8 to 2.9 - 13 (including 13.8 - 6 (MC per PD)) (MC); Portland, Freshwater Bay, 17.8 (JEC, JMS & RC); Swanage, 7.6 (AG); Trigon, 10.9 (PD); West Bexington, 7.9; 8.9 (RE per PD); Weymouth, 15.8 (J. Powne per PD); Worth Matravers, 20.8 (MT); ISLE OF WIGHT (10): Binstead, 16.8 (BJW); Bonchurch, 12.8 (JH<sup>2</sup> per SAKJ); 13.8 - 5 (JH<sup>2</sup>); Freshwater, 11.6 (SAKJ); Godshill, 19.8 (P.J. Cramp per SAKJ); The Causeway, Freshwater, 3.8 (D. Wooldridge per SAKJ); SOUTH HAMPSHIRE (11): Beaulieu, 14.8 (BIJ per BG); Brockenhurst, 11.8 (JEC); Browdown/Alver Valley area, 5.8 (SS<sup>2</sup> & DW<sup>2</sup> per SPC); Gosport, 5.8 (D. Walker per BG); Solent Court [Warsash], 5.8 - 1; 12.8 - 3; 20.8 (PMP per Waring (1996c)); Southsea, 14.8; 1.9 (JRL per BG); Sparsholt, 29.7; 15.8; 3.9 (RAB); WEST SUSSEX (13): Pagharn Harbour, 13.8 - 2 (DB); 19.8 (JTR per CRP); Walberton, 12.8 (JTR per CRP); EAST SUSSEX (14): Bexhill, 4.8; 6.8 (D. Hillman per CRP); Holywell, 13.8 - 2; 21.8 (CRP & MSP); Rye Harbour, 12.6; 17.6; 13.8; 16.8 (DJF per CRP); EAST KENT (15): Herne Bay, 22.8 (BM); New Romney, 22.6 - 1 male; 25.6 - 1 male (KR per SPC); SURREY (17): Addington, 21.8 (BFS); Betchworth, 3.8 (CH); Woking, 9.8 (SCP per SPC); SOUTH ESSEX (18): Bradwell-on-Sea, 8.8 (SD); NORTH ESSEX (19): Saffron Walden, 17.8 (AME per SPC); EAST GLOUCESTERSHIRE (33): Longney, 4.8 (AS & SS per RG); WEST GLOUCESTERSHIRE (34): Slimbridge, undated (N. Woodward per RG); WARWICKSHIRE (38): Charlecote, 9.8 (AG); 11.6; 23.6 (DB); Tile Hill, Coventry, 22.8 (AK per DB); GLAMORGAN (41): Roath, Cardiff, 19.8; 20.8 (per DG); Whiteford Point, Gower, 7.9 (per DG); DERBYSHIRE (57): Chesterfield, 10.8 (Elliot & Wright 1997); SOUTH-EAST YORKSHIRE (61): Spurn, 22.8 (BS); WESTMORLAND (69): South Walney, 17.6 (WM per DWK).

Summary: Locality not given: 2; (1): 32; (3): 8; (5): 5; (6): 1; Som./Glouc.: 1; (7): 2; (9): 39; (10): 10; (11): 14; (13): 4; (14): 9; (15): 3; (17): 3; (18): 1; (19): 1; (33): 1; (34): 1; (38): 4; (41): 3; (57): 1; (61): 1; (69): 1.

#### **Dewick's Plusia *Macdunnoughia confusa* (Stephens) [I]**

EAST SUSSEX (14): Rye Harbour, 19.8 (DJF per CRP); SHETLAND ISLANDS (112): Eswick, 12.8; 13.8 (TDR per Pennington (1997)).

#### **Gold Spangle *Autographa bractea* ([Denis & Schiffermüller]) [I?/V?]**

SHETLAND ISLANDS (112): Baltasound, 19.8 - 1 by day (MGP).

#### **Scarce Silver Y *Syngrapha interrogationis* (Linnaeus) [I/V?]**

SOUTH ESSEX (18): Bradwell-on-Sea, 30.8 (AJD); NORTH ESSEX (19): Jaywick, 18.8 (JY per BG<sup>2</sup>); WEST NORFOLK (28): Holme, 15.8 (Davey 1997); SHETLAND ISLANDS (112): Eswick, 12.8 (MGP); Norwich, 12.8 - 7 (MGP); Ocrquoey, 12.8 (MGP).

#### **Clifden Nonpareil *Catocala fraxini* (Linnaeus) [I]**

ISLE OF WIGHT (10): Freshwater, 9.10 - 1 female (SAKJ); Gunard Marsh, 24.9 (Mr Downer per SAKJ); EAST NORFOLK (27): Horsey, 18.9 (JRL & PHS per SPC).

#### **[*Catocala elocata* (Esper)]**

EAST KENT (15): Dungeness, 18.8 (SPC per Waring (1996c)) - reported in error. Corrected in Waring (1996d).]

#### **Dark Crimson Underwing *Catocala sponsa* (Linnaeus)**

EAST KENT (15): Dungeness, 19.8 - 1 female (KR per SPC).

#### **The Passenger *Dysgonia algira* (Linnaeus) [I]**

DORSET (9): Portland, 14.8 (DB); WEST KENT (16): Gravesend, 31.7 (D.J.L. Agassiz per SPC).

**Bloxworth Snout *Hypena obsitalis* (Hübner) [I?/V?]**

Note: Channel Islands records not included.

[SOUTH DEVON (3): Churston, 2.7 - larvae (McCormick 1997)]; DORSET (9): Portland Bird Observatory, 5.8; 7.12 (MC).

**Plumed Fan-foot *Pechipogo plumigeralis* (Hübner) [I]**

EAST SUSSEX (14): Rye Harbour, 22.7; 8.8; 11.8 (P. Troakes & DJF per CRP, see also Clancy & Honey (1997)); EAST KENT (15): New Romney, 8.8 (KR per Clancy & Honey (1997)).

**ANNEXE 2: SELECTED RECORDS OF "COMMONER" SPECIES**

This annexe gives the earliest and latest date for the more frequent immigrant species which are not covered in Annexe 1. Other significant records or observations for 1996 which have been received and were not covered in Annexe 1, such as large numbers of an individual species or unusual records of resident species which may be the result migrant activity, are also given. Penington (1997) lists several other species, which are not included here, recorded from the Shetland Islands whose occurrence on the islands may be the result of immigrant activity.

**YPONOMEUTIDAE*****Plutella xylostella* (Linnaeus) [I]**

Brief summary: Generally common, occasionally abundant, and widespread. Between 21.4 and 27.8 a total of 9,685 were recorded at Portland Bird Observatory, Dorset (9) (MC). Over the year a total of 266 were recorded at Freshwater, Isle of Wight (10) (SAKJ) and a total of 607 were recorded for the year at Peacehaven, East Sussex (14) (CRP).

Earliest dates: WEST CORNWALL (1): St. Agnes, Isles of Scilly, 21.3 (JH & MH); Church Cove, The Lizard, 22.3 - 13 (MT<sup>3</sup>).

Latest dates: NORTH HAMPSHIRE (12): Selborne, 21.11 (AEA); ISLE OF MAN (71): Callan Dhoo Maughold, 14.11 (LK per GDC); DORSET (9): Portland Bird Observatory, 13.11 (MC); WARWICKSHIRE (38): Charlecote, 11.11 (AG).

Other significant records: WEST CORNWALL (1): St. Agnes, Isles of Scilly, 19.6 - 75; 24.6 - 45; 19.7 - 200; 15.8 - 200; 18.8 - 150 (JH & MH); DORSET (9): Durlston, 9.6 - 50 (DB & RCK); Gaunt's Common, 6.6 - 59 (PD); Portland Bird Observatory, 7.6 - 297; 26.6 - 465; 22.7 - 510 (MC per PD); 20.6 - 4,600, common thereafter throughout 9 and early 10 (MC); SOUTH HAMPSHIRE (11): Solent Court, 22.4 - 43 (PMP per Waring (1996a)); NORTH HAMPSHIRE (12): Farnborough, 14.6 - 50+ (RWP); Selborne, 7.6 - 120 (AEA); EAST SUSSEX (14): Peacehaven, 7.6 - 283 (CRP); EAST SUFFOLK (25): Landguard, 8.6 - 1,857 (Odin 1997); SOUTH-EAST YORKSHIRE (61): Spurn, 7.6 - 286; 7.6 - "thousands were on the peninsula"; 25.7 - 24 (BS); SHETLAND ISLANDS (112): Locality not given, 11/12.5, up to 20-30 in half an hour (MGP per CWP).

**PYRALIDAE*****Udea ferrugalis* (Hübner) [I]**

Brief summary: Generally common, occasionally abundant, and widespread. Between 25.5 and 27.8 a total of 1,443 were recorded at the Portland Bird Observatory, Dorset (9) (MC). A total of 161 were recorded over the year at Freshwater, Isle of Wight (10) (SAKJ); a total of 183 were recorded at Peacehaven, East Sussex (14) (CRP), and a total of 175 recorded between 24.5 and 5.11 at Herne Bay, East Kent (BM).

Earliest date: CHANNEL ISLANDS (113): Guernsey, La Broderie, 4.4 - 4 (PC per Austin (1997)); WEST CORNWALL (1): Church Cove, The Lizard, 22.4 (MT<sup>3</sup>); St. Agnes, Isles of Scilly, 22.4 (JH & MH).

Latest dates: CHANNEL ISLANDS (113): Guernsey, La Broderie, 20.12 - 25 (PC per Austin (1997)); WEST CORNWALL (1): Church Cove, The Lizard, 30.11 - 16; 16.12; 18.12; 19.12

(MT<sup>2</sup>); ISLE OF WIGHT (10): Binstead, 19.12 (BJW); SOUTH DEVON (3): West Hill, Ottery St Mary, 23.11 (PB); ISLE OF MAN (71): Castletown, 15.11 (GDC); DORSET (9): Portland Bird Observatory, 9.11 (MC); NORTH HAMPSHIRE (12): Selborne, 3.11- 3 (AEA); SURREY (17): Betchworth, 2.11 (CH).

Other significant records: WEST CORNWALL (1): St. Agnes, Isles of Scilly, 12.8 - 56; 15.8 - 68; 17.8 - 59; 3.9 - 25; 7.9 - 54 (JH & MH); The Lizard, 18.8 - 500; 19.8 - 2,000 (DB, AG & RCK); 9.10 - larvae on *Calendula* (PB); SOUTH DEVON (3): Dawlish, 5.8 - 31; 16.8 - 23; 18.8 - 29; 19.8 - 57; 22.8 - 37; 25.8 - 41 (AR per RMc); Prawle Point, 7.6 - abundant (RMc); West Hill, Ottery St Mary, 6.6 - hundreds (PB); DORSET (9): Durlston, 9.6 - 50 (DB & RCK); Freshwater Bay, Portland, 29.8 - 200 to 300 (MSP); Portland, 14.8 - 50 (DB); Portland Bird Observatory, 16.8 - 157, numbers remained high in 9 and 10 (MC); 21.8 - 127 (MC per PD); NORTH HAMPSHIRE (12): Farnborough, 4.6 - 30+ (RWP); WARWICKSHIRE (38): Charlecote, 25.8 - 45 (AG); SOUTH-EAST YORKSHIRE (61): Spurn, 5.9 - 20 (BS) CHANNEL ISLANDS (113): Guernsey, La Broderie, 13.8 - 53 (PC per Austin (1997)).

### *Nomophila noctuella* (Denis & Schiffermüller) [I]

Brief summary: Generally abundant and widespread. Between 26.4 and 27.8 a total of 35,047 were recorded at the Portland Bird Observatory, Dorset (9) (MC). A total of 6,426 were recorded over the year at Freshwater, Isle of Wight (10) (SAKJ); a total of 1,664 were recorded at Peacehaven, East Sussex (14) (CRP); a total of 7,746 recorded between 19.4 and 31.10 at Herne Bay, East Kent (15) (BM); a total of 785 recorded over the year at Spurn, South-east Yorkshire (61), and a total of 468 recorded over the year on the Shetland Islands (112) (MGP).

Earliest date: WEST CORNWALL (1): Church Cove, The Lizard, 22.3 (MT<sup>2</sup> per Waring (1996a)).

Latest dates: DORSET (9): Portland Bird Observatory, 15.11 (MC); SOUTH DEVON (3): Dawlish, 11.11 (AR per RMc); ISLE OF WIGHT (10): Freshwater, 9.11 (SAKJ); NORTH HAMPSHIRE (12): Selborne, 7.11 (AEA); SURREY (17): Betchworth, 4.11 - 2 (CH); NORTH ESSEX (19): St Osyth, 4.11 (RWA per BG<sup>2</sup>) NORTH LINCOLNSHIRE (54): Roughton, 1.11 (JJ per RJ); CHESHIRE (58): Dean Row, 1.11 (B.T. Shaw per SHH).

Other significant records: WEST CORNWALL (1): Kennack Sands, 21.10 - 40 (JHC); Kynance Cove, 19.9 - 855 (MT<sup>2</sup>); St. Agnes, Isles of Scilly, 6.6 - 300; 17.6 - 430; 22.6 - 300; 19.7 - 2,000; 20.7 - 3,000; 22.7 - 2,000; 4.8 - 1,000; 12.8 - 2,000; 15.8 - 2,000; 5.9 - 300; 19.9 - 500; 21.9 - 1,200; 2.10 - 150; 14.10 - 235 (JH & MH); The Lizard, 18.8 - 800; 19.8 - 8,000 (DB, AG & RCK); SOUTH DEVON (3): Countess Wear, Exeter, 7.6 - 63; 22.7 - 100+; 31.7 - 71; 12.8 - 50; 29.9 - 49; 10.10 - 48 (PB<sup>2</sup> per RMc); Dawlish, 19.8 - 96 (AR per RMc); Prawle Point, 7.6 - 1,000s (RMc); West Hill, Ottery St Mary, 6.6 - "traps full" (PB); SOUTH SOMERSET (5): Bishops Lydeard, 8.6 - 50+; 10.6 - 100+; 17.9 - 100+; 1.10 - 100+ (MDB); Crewkerne, late July, c.1000 per night (JR); DORSET (9): Chideock to Charmouth coast, 15.9 - 1,000's (GRE); Durlston, 9.6 - 200 (DB & RCK); Gaunt's Common, 6.6 - 330; 27.7 - 385; 7.8 - >200; 14.8 - >350; 18.8 - >200; 19.8 >250 (PD); Portland, 3.8 - 3,100 (MC per PD); 14.8 - 800 (DB); Portland Bird Observatory, 7.6 - 213; 26.7 - 1,204; 3.8 - 3,100; 7.8 - 1,174; 12.8 - 2,612; 13.8 - 3,500; 19.8 - 2,000; 21.8 - 1,850 (MC per PD); 11.8 - 3,670, common throughout 9 and 10 (MC); NORTH HAMPSHIRE (12): Farnborough, 6.6 - 50+ (RWP); Selborne, 7.6 - 40; 8.6 - 70; 22.7 - 50; 23.7 - 105; 11.8 - 46; 12.8 - 116; 19.9 - 56; 20.9 - 66; 29.9 - 44; 8.10 - 65; 9.10 - 70 (AEA); WEST SUSSEX (13): East Grinstead, 8.10 - 25; 11.10 - 40; 13.10 - 40 (JHC); Pagham Harbour, 14.6 - 25+; 5.8 - 100's (BFS & MSP); 13.8 - 150 (DB); EAST SUSSEX (14): Holywell, 13.8 - 100's (MSP & CRP); Peacehaven, 31.7 - 40; 2.8 - 164; 7.8 - 81; 11.8 - 65; 20.9 - 28; 27.9 - 45; 6.10 - 28; 13.10 - 23 (CRP); Rye Harbour, 2.8 - 2,980 (Davey 1997); EAST KENT (15): Densole, 7.6 - 1,000s (TR); Dungeness, 8.6 - 20; 2.8 - 197; 7.8 - 228; 14.8 - 174; 27.8 - 110; 30.8 - 218; 25.9 - 273; 2.10 - 900; 7.10 - 500; 8.10 - 615; 21.10 - 150 (per SPC); Dungeness (separate trap site), 27.9 - 120; 29.9 - 300; 7.10 - 450 (per SPC); Folkestone Warren, 7.6 - 1,000s (TR); Herne Bay, 2.10 - 582 (BM); Littlestone, 8.6 - 45 (per SPC); New Romney, 8.6 - 50; 8.8 - 400 (per SPC); SURREY (17): Betchworth, 6.6 - 21; 7.6 - 51; 6.10 - 25 (CH); Centenary Fields, Lingfield, 8.10 - 30 (JHC); Lingfield, 26.9 - 25; 7.10 - 70; 8.10 - 100; 9.10 - 75 (JHC); Normandy, 27.7 - 200 (GAC); MIDDLESEX (21): Hampstead, 9.6 - 25 (RAS); BERKSHIRE (22): Nettlebed Common, 9.6 - 100s flushed from grass etc. by day (MT); EAST SUFFOLK (25): Landguard, 3.10 - 699 (Odin

1997); CAERNARVONSHIRE (49): Bangor, 6.8 - 60 (DL per CWP); SOUTH-EAST YORKSHIRE (61): Spurn, 29.7 - 26; 21.8 - 262; 7.10 - 38 (BS); ISLE OF MAN (71): Calf of Man, 2.8 - 118 (TB); Callan Dhooon Maughold, 23.7 - 60 (LK per GDC); Castletown, 12.8 - 50 (GDC); ORKNEY ISLANDS (111): North Ronaldsay lighthouse, 14.8 - 30 (MG per SVG); SHETLAND ISLANDS (112): Eswick, 13.8 - 105 (Pennington 1997); CHANNEL ISLANDS (113): Guernsey, Locality not given, 11.10 - 2,735 (PC per Austin (1997)).

## NYMPHALIDAE

### Red Admiral *Vanessa atalanta* (Linnaeus) [I]

Brief summary: Generally common to very common and widespread.

Earliest dates: HAMPSHIRE: Winchester, 3.1 (B. Fletcher & Mrs M Fletcher per Taverner (1997)); EAST SUSSEX (14): Ashdown Forest, 7.1 (A. Gillham per CRP); Seaford, 16.1 (per DD per CRP); Westfield, 17.1 (D. Frost per CRP); ISLE OF WIGHT (10): Cowes 12.1 (J. Caws per Taverner (1997)); Arreton, 14.1 - 1 flying in a heated cucumber house (BJW per Taverner (1997)); Gurnard, 17.1 (Dr D.T. Biggs per Taverner (1997)); SOUTH HAMPSHIRE (11): Meon Valley, 14.1 (E.W. B. Baigent per Taverner (1997)); WEST KENT (16): Orpington, 14.1; 17.1 (Gann 1996); BERKSHIRE (22): Goring-on-Thames, 14.1 (Batty 1996a); OXFORDSHIRE: border, 14.1 (Batty 1996a); CAMBRIDGESHIRE (29): Cambridge, 14.1 (Gardiner 1996); EAST SUSSEX (14): Seaford, 16.1 (Batty 1996a); SURREY (17): Leigh, 17.1 (Jeffcoate & Gerrard (1997)).

Latest dates: ISLE OF WIGHT (10): Thorley, 11.12 - an individual possibly awakened from hibernation (Miss M. Summers per Taverner (1997)); SOUTH HAMPSHIRE (11): Farlington Marshes, 30.11 (C. Cockburn per Taverner (1997)); DORSET (9): Portland, 20.11 (MC); CHANNEL ISLANDS (113): Guernsey, Locality not given, 16.11 (Austin 1997); SURREY (17): Denbies hillside, 13.11 (Jeffcoate & Gerrard 1997).

Other significant records: Larvae were observed at 2 localities (not given) from 11 (1995) to 4 (Bowles 1996a); WEST CORNWALL (1): The Lizard, 19.8 - 4 to mv light (DB, AG & RCK); DORSET (9): Portland Bird Observatory, 27.7 - 1 to mv light; 12.8 to 28.8 - 11 to mv light (MC); Studland Heath, 20.8 - many 1,000s (MT); ISLE OF WIGHT (10): Bonchurch landslip, 18.8 - 500+ (AB & LB per Taverner (1997)); Knighton Down, 10.6 - 500+ larvae (BJW per Taverner (1997)); St. Catherine's Down, 3.8 - 100+ (per Taverner (1997)); SOUTH HAMPSHIRE (11): Emsworth, early 8 - 150 on one oak on several occasions (R. Hollins per Taverner (1997)); Mockbeggar Hill, 17.8 - 1,000+ (DD<sup>2</sup> per Taverner (1997)); Shedfield golf course, 5.8 - 50+ resting on a tree trunk (per Taverner (1997)); HAMPSHIRE: Winchester Canal, 5.8 - 100+ (J.H. Taverner per Taverner (1997)); NORTH HAMPSHIRE (12): Farnborough, 4.6 - 30+ (RWP); Noar Hill, 16/17.8 - 100+ (B. Giddings per Taverner (1997)); WEST SUSSEX (13): Amberley, 7.6 - c.30 (MSP); East Grinstead, 21.8 - abundant (JHC); SURREY (17): Centenary Fields, Surrey, 26.7 - several trapped at light (JHC); ANGLESEY (52): Locality not given, 9.3 (Bowles 1996a); DERBYSHIRE (57): Chesterfield, 20.8 - 31 (Frost 1996a); Holbrook, 18.8 - 48 (Frost 1996a); CHESHIRE (58): Frodsham Marsh, 9.8 - c.800 (Frost 1996a); WESTMORLAND (69): South Walney, 17.8 - an estimated 1,000+ (WM per DWK); SOUTH-EAST YORKSHIRE (61): Spurn, 19.8 - 65 (BS); SOUTH-WEST YORKSHIRE (63): Huddersfield, 20.6 - 1 to light (Beaumont (1997)); CHANNEL ISLANDS (113): Guernsey, Locality not given, 7.6 - 100+; 10.6 - 200+ (Austin 1997); LONDONDERRY (H40): Locality not given, 7.3 (Bowles 1996a).

### Painted Lady *Vanessa cardui* (Linnaeus) [I]

Brief summary: Generally very abundant and widespread.

Earliest dates: ISLE OF WIGHT (10): Arreton, 18.3 (BJW per Taverner (1997)); DEVON: Locality not given, 21.3 (Bowles 1996a).

Latest dates: SOUTH DEVON (3): West Hill, Ottery St Mary, 13.12 (PB); DORSET (9): Portland, 15.11 (MC).

Other significant records: "Many millions ..... must have entered the country on an enormous front" (Bowles 1996b); WEST CORNWALL (1): Church Cove, The Lizard, 22.3 - 1 to light trap (MT); St. Agnes, Isles of Scilly, late 4.6 & 5.6 - "Large influx involving hundreds if not thousands" (JH & MH); The Lizard, 19.8 - 5 to mv light (DB, AG & RCK); 20.8 - 1 to mv light



(DB); CORNWALL: Truro, 8.6 - "by 2.00pm, well over 30 seen with one or two every few seconds . . . but by 5.00pm the influx had stopped" (RDP & PP); 14.8 - 20 on small patch of thistles (RDP & PP); SOUTH DEVON (3): Bere Alston, 30.5 - c.50; 7.6 - 20 in ten minutes (Bogue 1996); 5.8 - "dozens" (R.W. Bogue); Branscombe, 13.6 - "Incredible quantities"; 3.7 - larvae on pellitory-on-the-wall *Parietaria* (PB); Churston, 2.7 - larvae on pellitory-on-the-wall *Parietaria* (PB); Dartmoor, 8.6 - 2 "thousands", over 100 counted in ten minutes (Bogue 1996); Kingswear, 2.7 - larvae on pellitory-on-the-wall *Parietaria* (PB); Newton Abbot, 8.6 - crossing a 100m stretch of road at 40/min. (BH); Ottery St Mary, 3.7 - larvae on pellitory-on-the-wall *Parietaria* (PB); Plympton, 23.8 - 1 at light (RJH); Prawle Point, 7.6 - abundant (RMc); Tilshead, 17.6 - many hundreds (PB); DORSET (9): Ballard Down, 7.6 - 30+ (AG); Portland, 6.6 to 7.6 - many thousands; early 8 - 10s of 1,000s; 3.8 - 19.8 - 16 to mv light (MC); Studland Heath, poss. 10-20,000 (MT); ISLE OF WIGHT (10): Bembridge Down, 7.6 - 1,000+ (AB & LB per Taverner (1997)); Brading Down, 5.8 - 300+ - (BJW per Taverner (1997)); Compton Down, 12.6 - 700+ (B. Ransome per Taverner (1997)); Knighton Down, 10.6 - 1,000s; 11.6 - up to 30 larvae per thistle plant; around 8.8 - 400+ (BJW per Taverner (1997)); Luccombe, 17.8 - 1,500 to 2,000 behind the cliff (AB & LB per Taverner (1997)); SOUTH HAMPSHIRE (11): Ibsley Gravel Pits, 28.7 - 500+ (DD<sup>2</sup> per Taverner (1997)); Sopley, 29.7 - 250+ (M.J. Gibbons per Taverner (1997)); NORTH HAMPSHIRE (12): Farnborough, 5.6 - 30+ (RWP); HAMPSHIRE: St. Catherine's Hill, Winchester, around 8.8 - 700+ (C. Piatkiewicz per Taverner (1997)); WEST SUSSEX (13): Amberley, 7.6 - c.25 (MSP); EAST SUSSEX (14): Locality not given, around 4.8 - "dozens on quite small areas of Knapweed" (P. Roper per CWP); The Crumbles, Eastbourne, 23.6 - c.30 (MSP); Peacehaven, 8.8 - 45; 11.8 - 38; 19.8 - 43; 27.8 - 32; SURREY (17): Banstead, 9.6 - 50 (S.W. Gale per Plant (1997)); Centenary Field, Lingfield, 15.6 - abundant (JHC); EAST KENT (15): Folkestone Warren, 7.6 - 100s (TR); SOUTH ESSEX (18): Bradwell-on-Sea, "1000s of adults and almost certainly 100s of 1000s larvae. Recorded as an adult from 27 April - 1 November"; 7.6 - 553+; 12.6 - at least 1,600; early 8 - at least 10,000 (AJD & SD); BERKSHIRE (22): Besselsleigh and Cothill, 7 - larvae (all dead) on mugwort *Artemisia vulgaris* (Cronin & McNamara 1996); Cothill, 7 - larva on comfrey *Symphytum officinale* (Cronin & McNamara 1996); BERKSHIRE (22): Long Wittenham, 6 - larvae on mallow (MT); WEST SUFFOLK (26): Icklingham Triangle, 25.6 - abundant (JHC); WEST NORFOLK (28): Holme Dunes, 9.6 - "100,000 coming in off the sea" (Hill 1997); WORCESTERSHIRE (37): Little Comberton, 9.6 - 110 in 30 minutes (Whitehead 1996); near Madresfield, 10.9 - over 100 on a small meadow (Whitehead 1996); Upton-on-Severn, 9.6 - 90 in a couple of hours (Whitehead 1996); larvae found on *Cirsium vulgare*, *Carduus nutans*, *Onopordum acanthium*, and 2 larvae on *Artemisia stelleriana* (Whitehead 1996); WARWICKSHIRE (38): Charelecote, 9.8 - 1 to mv light; 15.8 - 1 to mv light (AG); Charlecote Gravel Pit, 9.8 - 35 to 40 (AG); ANGLESEY (52): Penmon Church, 14.7 - larva on lesser burdock (SHH, IFS & D.J. Poynton); LEICESTERSHIRE (55): Loughborough to Stanford on Soar, 5.8 - 117 (Frost 1996a); Rutland Water, 16.8 - 169 (Frost 1996a); Stanford on Soar, 5.8 - 103 (Frost 1996a); NOTTINGHAMSHIRE (56): several counts of over 100 listed in Frost (1996a); Lound, 8.6 - 4,650 (Frost 1996b); DERBYSHIRE (57): several counts of over 100 listed in Frost (1996a); Flag, 16.8 - 30 (SHH); Lathkill Dale, 16.8 - 26 (SHH); Longendale Trail, 5.8 - 171 (H.M. Perkins per SHH); Millers Dale Quarry, 12.8 - 80 (SHH); Monsal Trail, 12.8 - 32 (SHH); Pin Dale, Castleton, 9.8 - 45+ (SHH); Welbeck, 8.7 - 40-50,000 larvae on a thistle patch (Frost 1996b); CHESHIRE (58): Avro Golf Club, Woodford, 13.6 - about 50 (A.L. Crudge per SHH); Bollin Valley, Prestbury, 17.8 - 35 (SHH); Frodsham Marsh, 9.8 - 6,000 (Frost 1996a); Ironbower, Longendale, 14.8 - 30 (SHH); Macclesfield Forest, 9.6 - 30+ (C. Caines per SHH); Torgate Hill, 1.9 - 25+ (Ms G. Pierce per SHH); SOUTH-EAST YORKSHIRE (61): Spurn, 6.6 - 29; 7.6 - 79; 2.8 - 250; 3.8 - 800; 10.8 - 450; 17.8 - 98 (BS); SOUTH-WEST YORKSHIRE (63): Huddersfield, 8.8 - 1 to light (Beaumont (1997)); NORTH NORTHUMBERLAND (68): Bamburgh Castle, 6.8 - abundant (JHC); Inner Farne, 6.8 - abundant (JHC); Ross, Bamburgh 6.8 - abundant (JHC); WESTMORLAND (69): South Walney, 12.8 - an estimated 5,000+ (WM per DWK); SHETLAND ISLANDS (112): Sumurgh Hotel, 13.5 (Pennington 1997); 25.8 - "almost 100 around Shetland" (MGP); Fair Isles, 13.8 and 14.8 - up to 60 (MGP); Sumburgh Head, Mainland, 13.8 and 14.8 - up to 30 (MGP); a total of 600+ recorded over the year (MGP); CHANNEL ISLANDS (113): Guernsey, 7.7 - larvae of thistle and burdock (PC per Batty (1996b)); Guernsey, locality not given, 7.6 - 100+ (Austin 1997).

## NOCTUIDAE

**Dark Sword-grass *Agrotis ipsilon* (Hufnagel) [I]**

Brief summary: Generally a good year for the species. Occasionally common and widely reported. Between 26.4 and 27.8 a total of 780 were recorded at the Portland Bird Observatory, Dorset (9) (MC); a total of 61 were recorded over the year at Freshwater, Isle of Wight (10) (SAKJ); a total of 8 were recorded at Peacehaven, East Sussex (14) (CRP), and between 19.4 and 30.10 a total of 248 were recorded at Herne Bay, East Kent (15) (BM); a total of 456 were recorded between 19.4 and 17.11 at Bradwell-on-Sea, South Essex (18) (AJD & SD).

Earliest date: WEST CORNWALL (1): Church Cove, The Lizard, 22.3 - 8 (MT<sup>3</sup>); ISLE OF WIGHT (10): Freshwater, 22.3 (SAKJ); EAST SUSSEX (14): Peacehaven, 22.3 (CRP).

Latest dates: SOUTH ESSEX (18): Bradwell-on-Sea, 17.11 (AJD & SD); ISLE OF MAN (71): Dhooon Maughold, 16.11 - 4 (LK per GDC).

Other significant records: WEST CORNWALL (1): St. Agnes, Isles of Scilly, 6.6 - 30; 22.7 - 11; 15.8 - 30; 5.9 - 32; 13.9 - 30 (JH & MH); The Lizard, 18.8 - 100; 19.8 - 500 (DB, AG & RCK); DORSET (9): Portland Bird Observatory, 13.8 - 135, numerous throughout 9 and 10 (MC); Worth Matravers, 19.8 - c.30 (MT); EAST SUSSEX (14): Holywell, 13.8 - 20 to 30 (MSP & CRP); EAST KENT (15): Herne Bay, 22.8 - 19 (BM); SOUTH-EAST YORKSHIRE (61): Spurn, 21.8 - 15 (BS); WESTMORLAND (69): South Walney, 14.6 - 19 (WM per DWK); ISLE OF MAN (71): Dhooon Maughold, 12.6 - 10; 2.10 - 18; 7.10 - 20 (LK per GDC); ORKNEY ISLANDS (111): North Ronaldsay, 26.9 - 75 to sugar (per SVG); SHETLAND ISLANDS (112): Eswick, 16.6 - 14; 15.8 - 18; 16.8 - 18 (Pennington 1997).

**Large Yellow Underwing *Noctua pronuba* [I?/R]**

Possibly significant records: WEST CORNWALL (1): St. Agnes, Isles of Scilly, 19.9 - 406 (JH & MH); Lizard Point, 20.7 - >8,000 (RH<sup>3</sup>); EAST SUSSEX (14): Holywell, 14.7 - c.5,000 (MSP & CRP); CAERNARVONSHIRE (49): Bangor, 6.8 - 458 (DL per CWP); SOUTH-EAST YORKSHIRE (61): Spurn, 23.7 - 405 (BS).

**Pearly Underwing *Peridroma saucia* (Hübner) [I]**

Brief summary: Generally a good year for the species. Occasionally numerous and widely reported, though less common in the north of the country. Between 25.4 and 27.8 a total of 223 were recorded at the Portland Bird Observatory, Dorset (9) (MC); a total of 22 were recorded at Peacehaven, East Sussex (14) (CRP); and between 24.5 and 30.10 a total of 295 were recorded at Herne Bay, East Kent (15); a total of 456 were recorded between 9.6 and 17.11 at Bradwell-on-Sea, South Essex (18) (AJD & SD).

Earliest date: WEST CORNWALL (1): Church Cove, The Lizard, 22.3 (MT<sup>3</sup>).

Latest dates: SOUTH ESSEX (18): Bradwell-on-Sea, 17.11 (AJD & SD); NORTH HAMPSHIRE (12): Selborne, 12.11; 13.11; 14.11; 15.11; 16.11; 28.11 (AEA); DORSET (9): Portland Bird Observatory, 9.11 (MC); Worth Matravers, 1.11 (MT); SURREY (17): Lingfield, 8.11 (JHC); SOUTH DEVON (3): Abbotskerswell, 3.11 (BH); DUMFRIESSHIRE (72): Connansknowe, Kirktion, 2.11 (RM); WEST GLOUCESTERSHIRE (34): St. Briavels, 1.11 (RG); MIDDLESEX (21): Hampstead, 1.11 (RAS).

Other significant records: WEST CORNWALL (1): Kennack Sands, 21.10 - 14 (JHC); Kynance Cove, 19.9 - 136; 21.9 - 253 (MT<sup>3</sup>); Meadow Dean, Ruan Minor, 20.10 - 8; 21.10 - 18; 22.10 - 20 (JHC); St. Agnes, Isles of Scilly, 19.9 - 14; 21.9 - 16; 6.10 - 10; 22.10 - 11 (JH & MH); SOUTH DEVON (3): Branscombe, 23.10 - 10 (RMc); Prawle Point, 21.9 - 8 (RMc); DORSET (9): Portland Bird Observatory, numbers increased and remained high throughout 9 and 10 (MC); 7.6 - 26 (MC per PD); EAST KENT (15): Herne Bay, 8.10 - 32 (BM).

**The Nutmeg *Dicestra trifolii* (Hufnagel) [I?]**

ORKNEY ISLANDS (111): 9 recorded in 1996 (per SVG); SHETLAND ISLANDS (112): about 150 recorded in 1996 (MGP).

**Common Wainscot *Mythimna pallens* (Hübner)**

SHETLAND ISLANDS (112): about 35 recorded in 1996 (Pennington 1997).

**The Brick *Agrochola circellaris* (Hufnagel)**

SHETLAND ISLANDS (112): just over 100 recorded in 1996 (Pennington 1997).

**The Crescent *Celaena leucostigma* [I?]**

SHETLAND ISLANDS (112): over 350 recorded in 1996 (Pennington 1997).

**Silver Y *Autographa gamma* (Linnaeus) [I]**

Brief summary: Generally abundant, often exceedingly abundant, and widespread. Between 21.4 and 27.8 a total of 15,554 were recorded at the Portland Bird Observatory, Dorset (9) (MC). A total of 2,165 were recorded over the year at Freshwater, Isle of Wight (10) (SAKJ); a total of 2,009 were recorded at Peacehaven, East Sussex (14) (CRP), and between 21.4 and 18.12 a total of 12,847 were recorded at Herne Bay, East Kent (BM); a total of 9,052 were recorded between 11.5 and 9.11 at Bradwell-on-Sea, South Essex (18) (AJD & SD).

Earliest dates: ISLE OF MAN (71): Castletown, 30.1 - 4 (GDC); WEST CORNWALL (1): Church Cove, The Lizard, 22.3 - 3 (MT<sup>2</sup>).

Latest dates: CHANNEL ISLANDS (113): Guernsey, Locality not given, 20.12 (Austin 1997); EAST KENT (15): Herne Bay, 18.12 (BM); SURREY (17): Chessington, 8.11 (J. Porter per GAC); Lingfield, 4.11; 6.11 (JHC); Polesden Lacy, Dorking, 30.11 (JHC); ISLE OF MAN (71): Castletown, 16.11 - 4 (GDC); Dhooon Maughold, 16.11 - 12 (LK per GDC); Kenitraugh Rushen, 16.11 - 5 (GDC); NORTH HAMPSHIRE (12): Selborne, 11.11 (AEA); ISLE OF WIGHT (10): Freshwater, 9.11 (SAKJ); SOUTH ESSEX (18): Bradwell-on-Sea, 9.11 (AJD & SD); WEST CORNWALL (1): Church Cove, The Lizard, 8.11 (MT<sup>2</sup>); MIDDLESEX (21): Hampstead, 1.11; 5.11 - 2; 7.11 (RAS); SOUTH-EAST YORKSHIRE (61): Spurn, 1.11 (BS).

Other significant records: WEST CORNWALL (1): between Bedruthan and Porth Mear, 15.8 - numerous, dozens every few yards (RDP & PP); St. Agnes, Isles of Scilly, 17.6 - "A tremendous influx ... involving thousands" (JH & MH); 20.7 - 48; 4.8 - 170 (JH & MH); The Lizard, 18.8 - 800; 19.8 - 8,000 (DB, AG & RCK); SOUTH DEVON (3): Countess Wear, Exeter, 31.7 - 59; 5.8 - 100+ (PB<sup>2</sup> per RMc); Dawlish, 19.8 - 57 (AR per RMc); West Hill, Ottery St Mary, undated - larvae on many garden plants including geranium, fuchsia, lettuce and runner beans (PB); SOUTH SOMERSET (5): Bishops Lydeard, 8.6 - 100+; 5.8 - 200+; 19.8 - 100+ (MDB); DORSET (9): Badbury Rings, 16.8 - 319 (PD); Brownsea Island, 21.8 - many 1,000s (MT); Gaunt's Common, 6.6 - 238; 6.8 - 350; 18.8 - >2,000 (PD); Portland Bird Observatory, 6.6 - 369; 26.7 - 173; 3.8 - 561; 4.8 - 400; 13.8 - 3,000; 19.8 - 2,000 (MC per PD); 12.8 - 3,400, thereafter numerous throughout 9 and early 10 (MC); Studland Heath, 20.8 - estimate of 50,000 to 100,000 over whole area (MT); Swanage, 7.6 - 200 (AG); West Bexington, 4.8 - 1,000; 12.8 - 2,500 (RE per PD); SOUTH HAMPSHIRE (11): Fleet Pond, 13.8 - 320 counted on a butterfly transect (C.R. Hall per BG); Woolston, 5.8 - 262 (ARC per BG); NORTH HAMPSHIRE (12): Farnborough, 22.5 - 50+ (RWP); Selborne, 8.6 - 65; 20.8 - 57 (AEA); WEST SUSSEX (13): Pagham Harbour, 5.8 - c.3,000 (BFS & MSP); EAST SUSSEX (14): Holywell, 13.8 - c.1,000 in 1 trap after 1 hour and c.3,000 in same trap after 3 hours (CRP & MSP); Peacehaven, 22.7 - 94; 2.8 - 233; 11.8 - 56; 13.8 - 82; 19.8 - 74 (CRP); EAST KENT (15): Densole, 7.6 - 1,000s (TR); Dungeness, 8.6 - 245; 26.7 - 270; 31.7 - 200; 5.8 - 300; 13.8 - 242; 14.8 - 460; 2.9 - 570 (per SPC); Dungeness Bird Observatory (daytime estimates), 6.6 - 2,000; 7.6 - 5,000; 8.6 - 10,000; 9.6 - 10,000; 22.7 - 10,000; 23.7 - 5,000; 8.8 - 5,000 (per SPC); Folkestone Warren, thousands (TR); Greatstone, 7.6 - 363; 31.7 - 174; 4.8 - 222; 5.8 - 507; 13.8 - 138 (per SPC); Littlestone, 13.8 - 250 (per SPC); New Romney, 7.6 - 190; 8.6 - 200; 5.8 - 1200; 17.8 - 250 (per SPC); SURREY (17): Lingfield, 23.7 - 56 (JHC); MIDDLESEX (21): Hampstead, 8.6 - 54; 6.8 - 164 (RAS); BUCKINGHAMSHIRE (24): 7.6 - 100s (GEH); CAERNARVONSHIRE (49): Bangor, 6.8 - 76 (DL per CWP); DENBIGHSHIRE (50): Blaen Y Weirglodd, 5.8 - abundant (SHH & IFS); Gors Maen Llwyd, 5.8 - abundant (SHH & IFS); DERBYSHIRE (57): Lathkill Dale, 16.8 - abundant (SHH); Millers Dale Quarry, 12.8 - abundant (SHH); Monsal Trail, 12.8 - abundant (SHH); Pin Dale, Castleton, 9.8 - abundant (SHH); CHESHIRE (58): Crowden, 14.8 - abundant (SHH); Jacksons Brickworks, Higher Poynton, 8.6 - 101 (SHH); SOUTH-EAST YORKSHIRE (61): Spurn, 6.6 - 150; 7.6 - 450; 21.7 - 60; 25.7 - 1,400; 3.8 - 500; 10.8 - 4,000; 15.8 - 25,000 (BS); NORTH

NORTHUMBERLAND (68): Bamburgh, 5.8 - abundant (JHC); Bamburgh Castle, 6.8 - abundant (JHC); Beadnell, 3.8 - abundant; 6.8 - abundant (JHC); Carshope, Coquet Dale, 9.8 - abundant (JHC); Cragmill, 6.8 - abundant (JHC); Cragside, Rothbury, 9.8 - abundant (JHC); Elwick, 6.8 - abundant (JHC); Farne Isles, 6.8 - abundant, "vast numbers of *gamma* were flying out at sea heading North" (JHC); Greenhil Rocks, 5.8 - abundant (JHC); Inner Farne, 6.8 - abundant (JHC); Linkhouse, Beadnell, 5.8 - abundant (JHC); Ross, Bamburgh, 6.8 - abundant (JHC); Seahouses Harbour and Town, 6.8 - abundant (JHC); St Aidan's Dunes, 5.8 - abundant (JHC); ISLE OF MAN (71): Calf of Man, 5.8 - 93; 5.8 - "several thousand seen over the island" (TB); Dhoon Maughold, 9.8 - 500 (LK per GDC); BANFFSHIRE (94): Well of the Lecht, Tomintoul, 15.8 - abundant (JHC); MORAYSHIRE (95): Findhorn, 11.8 - abundant (JHC); Forres, 12.8 - abundant (JHC); Tulloch, Rafford, 10.8 - abundant (JHC); ORKNEY ISLANDS (111): east coast, 6.8 - "comming ashore in clouds" (per SGV); North Ronaldsay, 12.8 - 174 (MG per SVG); SHETLAND ISLANDS (112): "everywhere", 6.8 - "Clouds of them reported coming in off the sea or along the coast" with the following estimate made - "arriving along the 120 km length of Shetland at a rate of almost 3million per hour" (MGP); 8.8 and subsequent days - "poor weather obviously affected ... the tideline was littered with dead moths, while it appears everyone fishing inshore in small boats was coming across rafts of moth corpses lying on the sea, with several large "slicks" of dead moths reported on the sea around Fetlar" (MGP); Locality not given, 12.8 - up to 50 on sugar patches (MGP); 13.8 - an estimate of "60 million moths in the 1500 square kilometres of the islands" (MGP); Eswick, 13.8 - 1,100; 18.8 - 5 larvae on lungwort *Pulmonaria* (Pennington 1997).

### Initials of recorders

The recorders initials are listed alphabetically so that records can be extracted with relative ease. It is possible that we have unwittingly failed to acknowledge some contributors - if this is the case we would like to take this opportunity to apologize for this oversight.

AB	Dr A. Barker	CR	C. Reagan	IRT	I.R. Thirlwell
AB <sup>2</sup>	A. Batten	CRP	C.R. Pratt	IS	I. Scott
AC	A. Cooper	CS	C. Smith	JB	J. Badley
AEA	A.E. Aston	CWP	C.W. Plant	JBF	J.B. Fisher
AG	A. Gardner	DB	D. Brown	JEC	J.E. Chainey
AHD	A.H. Dobson	DD	D. Dey	JF	J. Firmin
AJ	A. Jenkins	DD <sup>2</sup>	D. Dicks	JG	J. Geeson
AJD	A.J. Dewick	DG	D. Gilmore	JH	J. Hale
AME	Lt Col. A.M. Emmet	DJF	D.J. Funnell	JH <sup>2</sup>	J. Halsey
APF	A.P. Foster	DL	D. Lloyd	JH <sup>3</sup>	J. Hooper
AR	A. Rosier	DS	D. Scott	JHC	Dr J.H. Clarke
ARC	A.R. Cronin	DW	D. Walker	JJ	J. Jaines
AS	A. Stevens	DW <sup>2</sup>	D. Walker	JM	J. Maddocks
ASE	A.S. Ezard	DWB	D.W. Baldock	JM <sup>2</sup>	J. Murray
BB	B. Banson	DWK	D.W. Kydd	JMc	J. McGill
BFS	B.F. Skinner	EGS	E.G. Smith	JMS	Ms J.M. Spence
BG	B. Goater	ERM	E.R. Meek	JN	J. Nichols
BG <sup>2</sup>	B. Goodey	GAC	G.A. Collins	JO	J. Owen
BH	B. Henwood	GDC	G.D. Crane	JP	J. Platts
BIJ	B. Ivon-Jones	GEH	G.E. Higgs	JR	J. Reeve
BJW	B.J. Warne	GRE	G.R. Else	JR <sup>2</sup>	J. Reid
BM	B. Matlock	HGHM	H.G.H. Middleton	JRL	Dr J.R. Langmaid
BS	B. Spence	ICR	I.C. Rose	JTR	J.T. Radford
CG	C. Gibson	IFS	I.F. Smith	JTS	J.T. Scanes
CH	C. Hart	IH	I. Hunter	JW	J. Wilde

JY	J. Young	PC	P. Costen	RP	R. Partyre
KMSW	K.M.S. Wilson	PD	P. Davey	RWA	R.W. Arthur
KR	K. Redshaw	PHS	Dr P.H. Sterling	RWP	R.W. Parfitt
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MGP	M.G. Pennington	RAB	R.A. Bell	SPC	S.P. Clancy
MH	M. Hicks	RAS	R.A. Softly	SS	S. Stevens
MHS	M.H. Smith	RC	R. Cook	SS <sup>2</sup>	S. Swift
MJG	M.J. Gibbons	RCK	R.C. Kendrick	SVG	S.V. Gauld
MJS	M.J. Simmons	RDP	R.D. Penhallurick	TB	T. Bagworth
ML	Mrs M. Long	RE	R. Eden	TC	T. Crafer
MRH	M.R. Honey	RG	R. Gaunt	TDR	T.D. Rogers
MSP	M.S. Parsons	RH	R. Harvey	TJJ	T.J. Jennings
MT	M. Townsend	RH <sup>2</sup>	R. Hobbs	TJN	T.J. Norriss
MT <sup>2</sup>	M. Tunmore	RH <sup>3</sup>	R. Howard	TNDP	T.N.D. Peet
NB	N. Bowman	RJ	R. Johnson	TR	T. Rouse
NH	N. Hutchinsonson	RJH	R.J. Heckford	TS	T. Steele
PAC	P. Cordell	RL	R. Long	WM	W. Makin
PB	P. Baker	RM	R. Mearns		
PB <sup>2</sup>	P. Butter	RMc	R. McCormick		

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### White-marked *Cerastis leucographa* D.& S. (Lep.: Noctuidae) re-found in Devon

On 28 March 1998, a member of Devon Moth Group, Dr Adrian Henderson, decided to run his lights at a site near to Great Torrington. Here he took six specimens of *C. leucographa* but, mistaking them for something else, released all of them. When he